

Converting Colors

$Y_{xy}(100.0000, 0.2964, 0.3684)$

Have a look what the booklet for
Yxy(100.0000, 0.2964, 0.3684)
contains.

| | |
|---|----|
| Yxy(90.4113, 0.2965, 0.3544) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(90.4113, 0.2965, 0.3544)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | CEFFE7 |
| RGB | 206, 255, 231 |
| RGB Percent | 81%, 100%, 91% |
| CMY | 0.1921, 0.0000, 0.0941 |
| CMYK | 0.19, 0.00, 0.09, 0.00 |
| HSL | 151°, 100%, 90% |
| HSV | 151°, 19%, 100% |
| XYZ | 75.6404, 90.4113, 89.0592 |
| YIQ | 237.6130, -21.5000, -17.8520 |

Conversions

Conversions Part 2

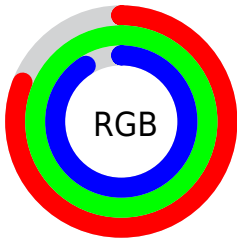
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 206, 238, 255 |
| Decimal | 13565927 |
| CIE Lab | 96.17, -20.13, 6.35 |
| CIE LCh | 96, 21.108, 162.490 |
| Yxy | 90.4113, 0.2965, 0.3544 |
| Android (android.graphics.Color) | 4291756007 (0xFFCEFFE7) |
| YUV | 237.6130, -3.2602, -27.7246 |
| Hunter-Lab | 95.0849, -24.4010, 11.0267 |

Details

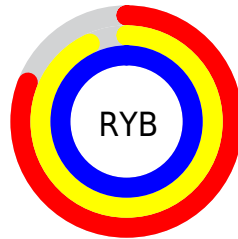
The Yxy color **90.4113, 0.2965, 0.3544** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1277, 0.3327, 0.3049**, and the grayscale version is **85.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0626, 0.2931, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **86.3739, 0.2886, 0.3698**, and if you desaturate by 10%, it is **95.0966, 0.3048, 0.3405**.

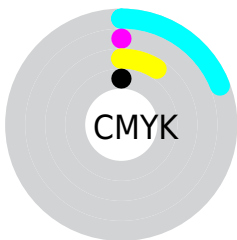
Distribution



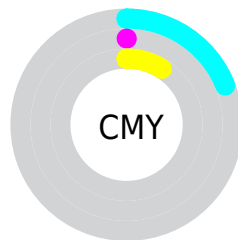
- Red (81%)
- Green (100%)
- Blue (91%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4113, 0.2965, 0.3544 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.4113, 0.2965, 0.3544 by changing the saturation by 10% instead.


 90.4113, 0.2965,
0.3544

 90.4113, 0.2965,
0.3544


529.3679, 0.3038,
0.3429

 68.3218, 0.2949,
0.3570


147.9096, 0.2990,
0.3504

 50.1596, 0.2929,
0.3602


184.0872, 0.3000,
0.3489

 35.5402, 0.2904,
0.3641


225.7296, 0.3008,
0.3476

 24.0793, 0.2872,
0.3693

273.2212, 0.3016,
0.3464

 15.3925, 0.2829,
0.3762

326.9465, 0.3022,
0.3453

 9.0953, 0.2768,
0.3859


387.2897, 0.3028,


 4.8034, 0.2678,


0.3444


0.4006


454.6354, 0.3034,
0.3436

 2.1324, 0.2527,
0.4256

 0.6827, 0.1382,
0.5991

 90.4113, 0.2965,
0.3544


 90.4113, 0.2965,
0.3544

 86.3739, 0.2886,
0.3698

 95.0966, 0.3048,
0.3405

 82.9467, 0.2816,
0.3865

100.0000, 0.3127,
0.3290

 80.1005, 0.2756,
0.4045

 77.8004, 0.2711,
0.4235

■ 76.0076, 0.2684,
0.4429

■ 74.6778, 0.2677,
0.4624

■ 73.7586, 0.2690,
0.4814

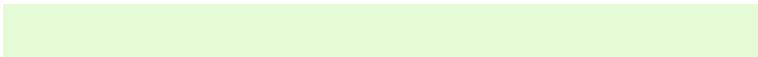
■ 73.1718, 0.2721,
0.4993

■ 73.1320, 0.2724,
0.5007

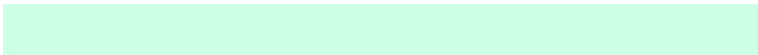
Harmonies

Analogous

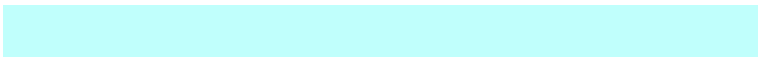
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4113, 0.3200, 0.3683



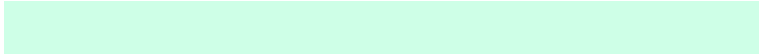
90.4113, 0.2965, 0.3544



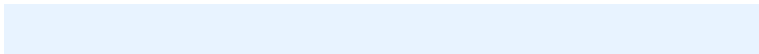
90.4113, 0.2778, 0.3331

Triad

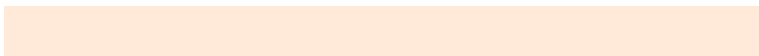
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4113, 0.2965, 0.3544



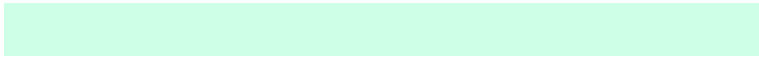
90.4113, 0.2831, 0.2896



90.4113, 0.3591, 0.3436

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.4113, 0.2965, 0.3544



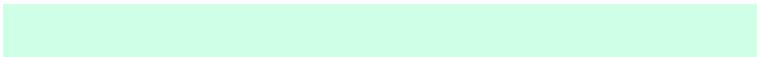
71.1277, 0.3327, 0.3049

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4113, 0.3485, 0.3235



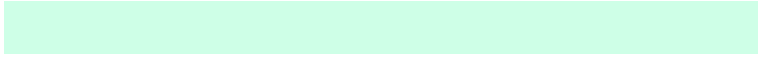
90.4113, 0.2965, 0.3544



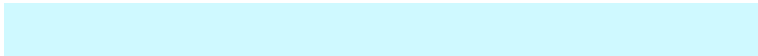
90.4113, 0.3041, 0.2932

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



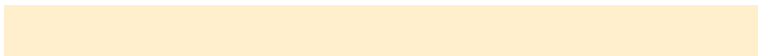
90.4113, 0.2965, 0.3544



90.4113, 0.2704, 0.2959



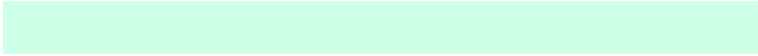
90.4113, 0.3281, 0.3054



90.4113, 0.3566, 0.3608

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



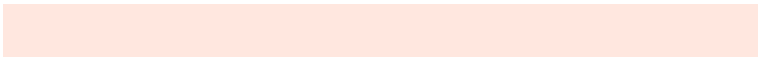
90.4113, 0.2965, 0.3544



90.4113, 0.2704, 0.3184



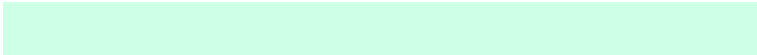
90.4113, 0.3281, 0.3054



90.4113, 0.3570, 0.3370

Sweetspot

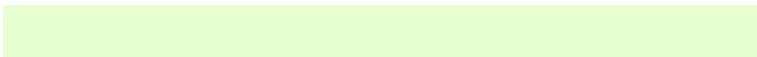
The Sweet Spot groups the original color and five complimentary colors.



90.4140, 0.2965, 0.3544



96.7392, 0.3076, 0.3364



92.8849, 0.3257, 0.3796



20.6334, 0.3070, 0.3372



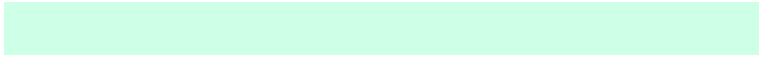
0.0000, 0.0000, 0.0000



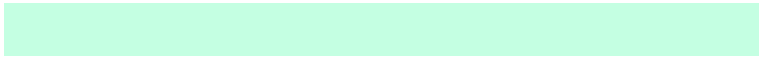
21.4041, 0.3127, 0.3290

Same Dimension

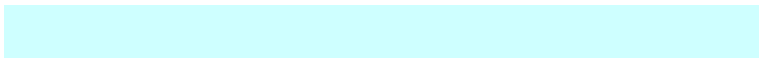
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4140, 0.2965, 0.3544



88.8076, 0.2934, 0.3601



91.8649, 0.2838, 0.3289



20.3228, 0.3046, 0.3409



38.2433, 0.2716, 0.4978



3.7457, 0.2659, 0.4773

Inverse Universe

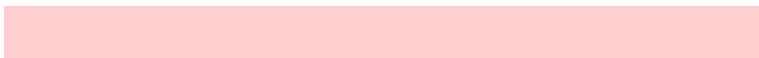
The Inverse Universe completely reimagines the original color for something new.



71.1277, 0.3327, 0.3049



66.3395, 0.3376, 0.2999



69.8702, 0.3507, 0.3291



18.1355, 0.3217, 0.3174



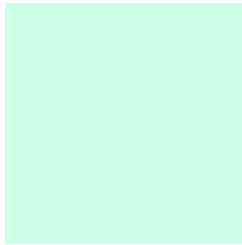
11.9123, 0.5006, 0.2531



1.1819, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 90.4113, 0.2965, 0.3544 looks on a white background.

Color Contrast Check

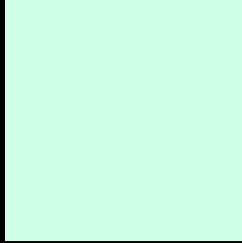
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.4113, 0.2965, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

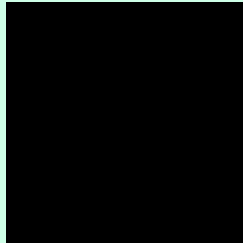
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

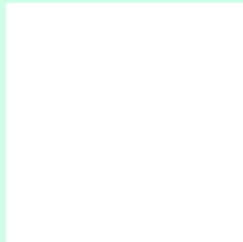
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4113, 0.2965, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 90.4113, 0.2965, 0.3544.

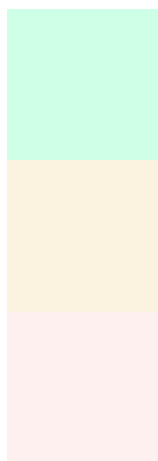


This preview shows how white text looks on a background with the Yxy color 90.4113, 0.2965, 0.3544.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.4113, 0.2965, 0.3544

Protanopia

89.5815, 0.3305, 0.3469

Deuteranopia

89.8714, 0.3226, 0.3290



Tritanopia

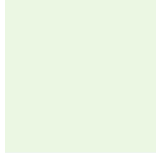
90.1205, 0.2981, 0.3200

Trichromacy



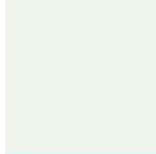
Original Color

90.4113, 0.2965, 0.3544



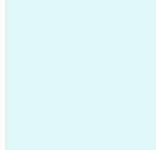
Protanomaly

89.7297, 0.3169, 0.3494



Deuteranomaly

89.4238, 0.3123, 0.3371



Tritanomaly

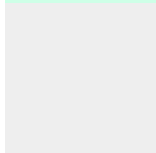
89.9348, 0.2977, 0.3320

Monochromacy



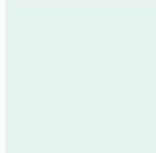
Original Color

90.4113, 0.2965, 0.3544



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.8683, 0.3065, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4113, 0.2965, 0.3544 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.4113, 0.2965, 0.3544 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 255, 231) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(206, 255, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4113, 0.2965, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
255, 231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor