

Converting Colors

$Yxy(90.3613, 0.2967, 0.3550)$

Have a look what the booklet for
Yxy(90.3613, 0.2967, 0.3550)
contains.

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Color

Yxy(90.3550, 0.2970, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFE6
RGB	206, 255, 230
RGB Percent	81%, 100%, 90%
CMY	0.1923, 0.0000, 0.0980
CMYK	0.19, 0.00, 0.10, 0.00
HSL	149°, 100%, 90%
HSV	149°, 19%, 100%
XYZ	75.4865, 90.3550, 88.3217
YIQ	237.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

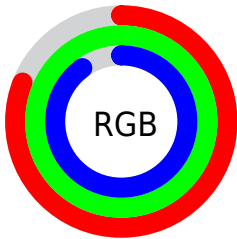
Format	Color
R _Y B	206, 239, 255
Decimal	13565926
CIE Lab	96.14, -20.34, 6.83
CIE LCh	96, 21.459, 161.446
Yxy	90.3550, 0.2970, 0.3555
Android (android.graphics.Color)	4291756006 (0xFFCEFFE6)
YUV	237.4990, -3.6970, -27.6246
Hunter-Lab	95.0552, -24.5940, 11.4487

Details

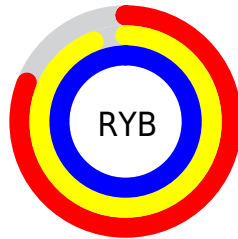
The Yxy color **90.3550, 0.2970, 0.3555** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1482, 0.3320, 0.3040**, and the grayscale version is **85.1222, 0.3127, 0.3290**.

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 **86.2877, 0.2894, 0.3715**, and if you desaturate by 10%, it is **95.0557, 0.3051, 0.3410**.

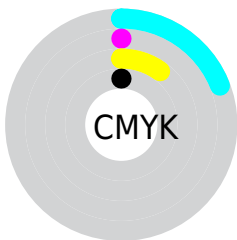
Distribution



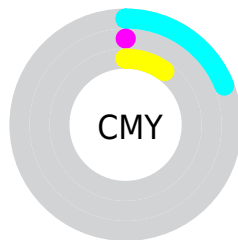
- Red (81%)
- Green (100%)
- Blue (90%)



- Red (81%)
- Yellow (94%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3550, 0.2970, 0.3555 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 90.3550, 0.2970, 0.3555 by changing the saturation by 10% instead.


 90.3550, 0.2970,
0.3555

 90.3550, 0.2970,
0.3555


529.1850, 0.3041,
0.3435

 68.2751, 0.2954,
0.3582


147.8314, 0.2994,
0.3514

 50.1216, 0.2935,
0.3615


183.9967, 0.3004,
0.3497

 35.5100, 0.2910,
0.3657


225.6260, 0.3012,
0.3483

 24.0560, 0.2879,
0.3711

273.1035, 0.3019,
0.3471

 15.3752, 0.2837,
0.3783

326.8138, 0.3026,
0.3460

 9.0831, 0.2778,
0.3885

387.1412, 0.3032,

 4.7954, 0.2689,

0.3451

0.4040

454.4702, 0.3037,
0.3442

■ 2.1277, 0.2540,
0.4303

■ 0.6802, 0.1371,
0.6222

■ 90.3550, 0.2970,
0.3555

■ 90.3550, 0.2970,
0.3555

■ 86.2877, 0.2894,
0.3715

■ 95.0557, 0.3051,
0.3410

■ 82.8437, 0.2825,
0.3890

100.0000, 0.3127,
0.3290

■ 79.9844, 0.2768,
0.4078

■ 77.6747, 0.2725,
0.4275

■ 75.8756, 0.2699,
0.4478

■ 74.5427, 0.2693,
0.4680

■ 73.6234, 0.2708,
0.4876

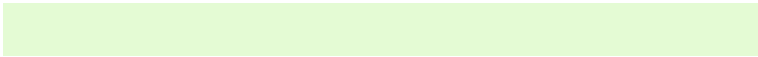
■ 73.0391, 0.2740,
0.5060

■ 73.0008, 0.2743,
0.5074

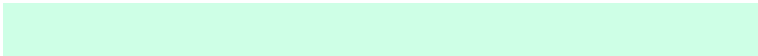
Harmonies

Analogous

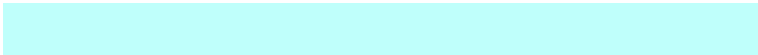
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3550, 0.3209, 0.3693



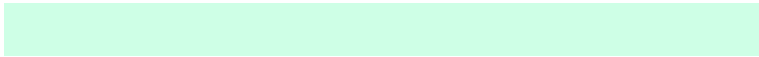
90.3550, 0.2970, 0.3555



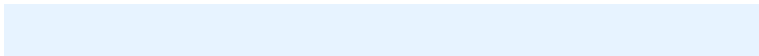
90.3550, 0.2778, 0.3340

Triad

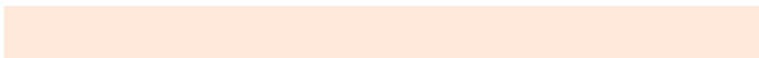
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3550, 0.2970, 0.3555



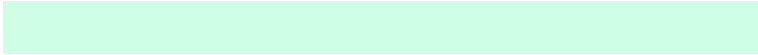
90.3550, 0.2820, 0.2890



90.3550, 0.3598, 0.3431

Complementary

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



90.3550, 0.2970, 0.3555



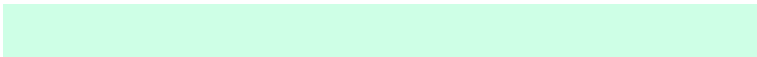
71.1482, 0.3320, 0.3040

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.



90.3550, 0.3486, 0.3227



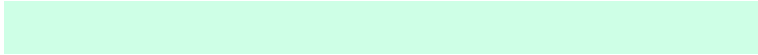
90.3550, 0.2970, 0.3555



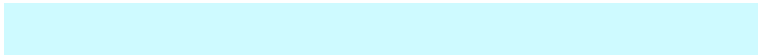
90.3550, 0.3031, 0.2923

Square

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



90.3550, 0.2970, 0.3555



90.3550, 0.2694, 0.2958



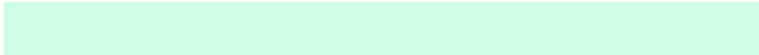
90.3550, 0.3275, 0.3045



90.3550, 0.3577, 0.3608

Rectangle

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



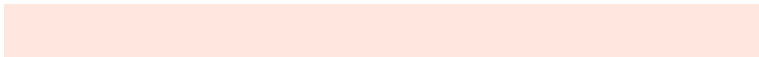
90.3550, 0.2970, 0.3555



90.3550, 0.2700, 0.3189



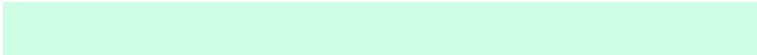
90.3550, 0.3275, 0.3045



90.3550, 0.3574, 0.3364

Sweetspot

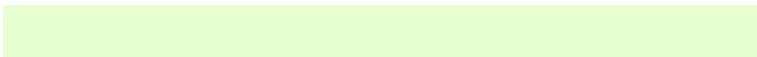
The Sweet Spot groups the original color and five complimentary colors.



90.3485, 0.2970, 0.3555



96.7206, 0.3077, 0.3367



93.0121, 0.3262, 0.3795



20.6290, 0.3072, 0.3375



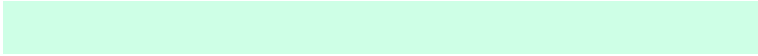
0.0000, 0.0000, 0.0000



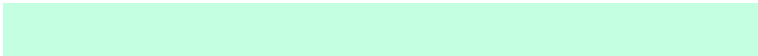
21.4041, 0.3127, 0.3290

Same Dimension

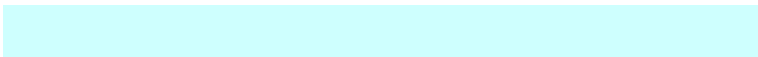
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3485, 0.2970, 0.3555



88.7445, 0.2941, 0.3613



91.8029, 0.2842, 0.3298



20.3166, 0.3048, 0.3414



38.1745, 0.2735, 0.5044



3.7389, 0.2676, 0.4834

Inverse Universe

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



71.1482, 0.3320, 0.3040



66.4026, 0.3367, 0.2988



69.8749, 0.3502, 0.3283



18.1417, 0.3214, 0.3169



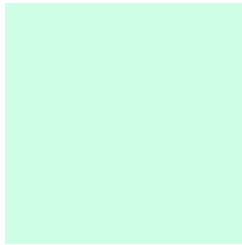
11.9811, 0.4923, 0.2486



1.1886, 0.4674, 0.2348

Previews

White Background



This preview shows how the Yxy color 90.3550, 0.2970, 0.3555 looks on a white background.

Color Contrast Check

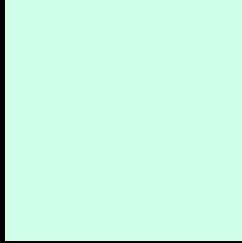
Large Text (above 18pt) WCAG AA × Fail

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 90.3550, 0.2970, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

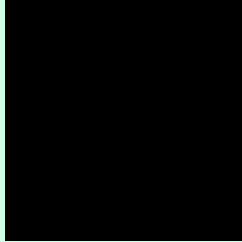
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

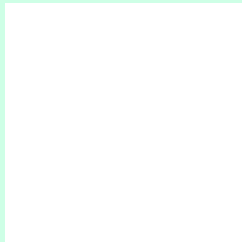
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3550, 0.2970, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 90.3550, 0.2970, 0.3555.

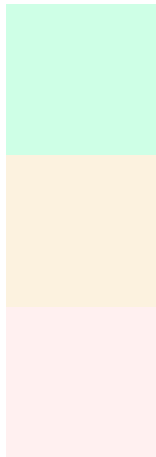


This preview shows how white text looks on a background with the Yxy color 90.3550, 0.2970, 0.3555.

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

90.3550, 0.2970, 0.3555

Protanopia

89.5274, 0.3311, 0.3479

Deuteranopia

89.8714, 0.3226, 0.3290



Tritanopia

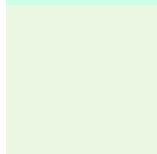
90.1205, 0.2981, 0.3200

Trichromacy



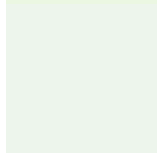
Original Color

90.3550, 0.2970, 0.3555



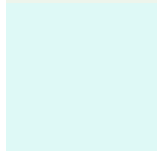
Protanomaly

89.6747, 0.3175, 0.3504



Deuteranomaly

89.3655, 0.3129, 0.3381



Tritanomaly

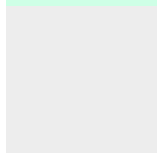
89.9348, 0.2977, 0.3320

Monochromacy



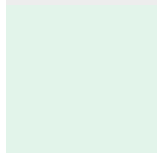
Original Color

90.3550, 0.2970, 0.3555



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8106, 0.3071, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3550, 0.2970, 0.3555 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 90.3550, 0.2970, 0.3555 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, 230) }
```

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

```
.border{ border-color:rgb(206, 255, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3550, 0.2970, 0.3555 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, 230) }
```

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

```
.background{ background-color: rgb(206,  
255, 230) }
```

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](#).

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