

Converting Colors

$Y_{xy}(100.0000, 0.2953, 0.3690)$

Have a look what the booklet for
Yxy(100.0000, 0.2953, 0.3690)
contains.

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Color

Yxy(90.1269, 0.2953, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE7
RGB	204, 255, 231
RGB Percent	80%, 100%, 91%
CMY	0.2002, 0.0000, 0.0941
CMYK	0.20, 0.00, 0.09, 0.00
HSL	152°, 100%, 90%
HSV	152°, 20%, 100%
XYZ	75.0761, 90.1269, 89.0337
YIQ	237.0150, -22.6920, -18.2760

Conversions

Conversions Part 2

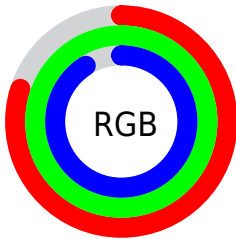
Format	Color
RYB	204, 237, 255
Decimal	13434855
CIELab	96.05, -20.78, 6.17
CIElCh	96, 21.673, 163.472
Yxy	90.1269, 0.2953, 0.3545
Android (android.graphics.Color)	4291624935 (0xFFCCFFE7)
YUV	237.0150, -2.9654, -28.9542
Hunter-Lab	94.9352, -24.9763, 10.8503

Details

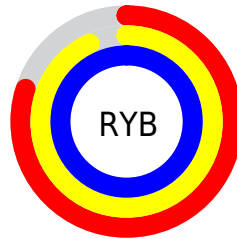
The Yxy color **90.1269, 0.2953, 0.3545** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0265, 0.3345, 0.3049**, and the grayscale version is **84.7256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8729, 0.2917, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **86.1539, 0.2873, 0.3693**, and if you desaturate by 10%, it is **94.7241, 0.3039, 0.3411**.

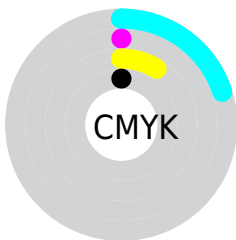
Distribution



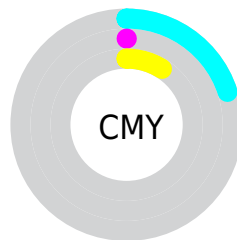
- Red (80%)
- Green (100%)
- Blue (91%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1269, 0.2953, 0.3545 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 90.1269, 0.2953, 0.3545 by changing the saturation by 10% instead.

 90.1269, 0.2953,
0.3545

 90.1269, 0.2953,
0.3545

528.4436, 0.3032,
0.3429

 68.0859, 0.2935,
0.3571

147.5147, 0.2980,
0.3505

 49.9676, 0.2914,
0.3603


183.6302, 0.2990,
0.3490

 35.3877, 0.2887,
0.3643


225.2060, 0.3000,
0.3476

 23.9617, 0.2853,
0.3694

272.6266, 0.3008,
0.3464

 15.3052, 0.2807,
0.3764

326.2762, 0.3015,
0.3454

 9.0338, 0.2742,
0.3862

386.5393, 0.3021,

 4.7633, 0.2645,

0.3445

0.4010

453.8003, 0.3027,
0.3437

■ 2.1090, 0.2484,
0.4262

■ 0.6697, 0.1179,
0.6104

■ 90.1269, 0.2953,
0.3545

■ 90.1269, 0.2953,
0.3545

■ 86.1539, 0.2873,
0.3693

■ 94.7241, 0.3039,
0.3411


■ 82.7936, 0.2801,
0.3855


99.9913, 0.3127,
0.3290


■ 80.0080, 0.2740,
0.4028


100.0000, 0.3127,
0.3290

■ 77.7620, 0.2695,
0.4209

 76.0165, 0.2668,
0.4396

 74.7269, 0.2661,
0.4583

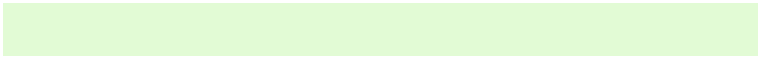
 73.8402, 0.2674,
0.4765

 73.2709, 0.2705,
0.4938

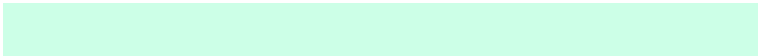
Harmonies

Analogous

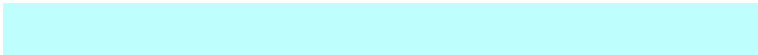
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1269, 0.3193, 0.3691



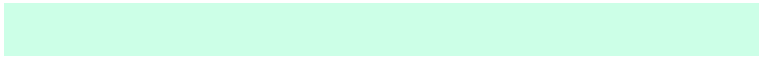
90.1269, 0.2953, 0.3545



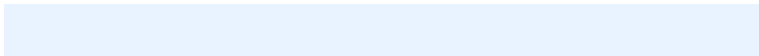
90.1269, 0.2764, 0.3325

Triad

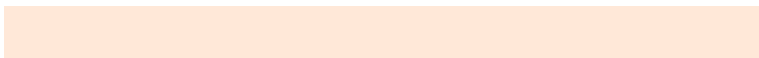
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1269, 0.2953, 0.3545



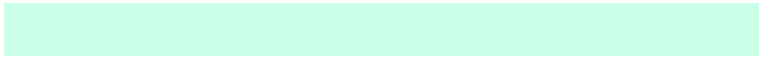
90.1269, 0.2829, 0.2885



90.1269, 0.3606, 0.3446

Complementary

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



90.1269, 0.2953, 0.3545



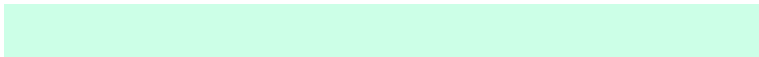
70.0265, 0.3345, 0.3049

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.



90.1269, 0.3501, 0.3240



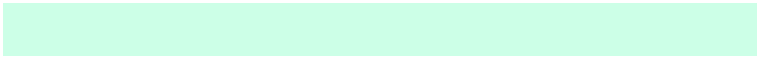
90.1269, 0.2953, 0.3545



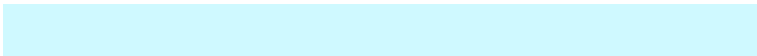
90.1269, 0.3046, 0.2925

Square

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



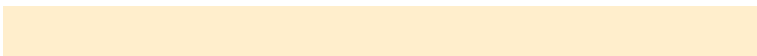
90.1269, 0.2953, 0.3545



90.1269, 0.2695, 0.2947



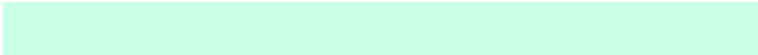
90.1269, 0.3293, 0.3053



90.1269, 0.3576, 0.3621

Rectangle

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



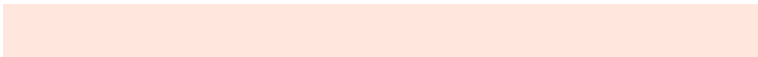
90.1269, 0.2953, 0.3545



90.1269, 0.2690, 0.3173



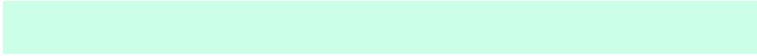
90.1269, 0.3293, 0.3053



90.1269, 0.3585, 0.3378

Sweetspot

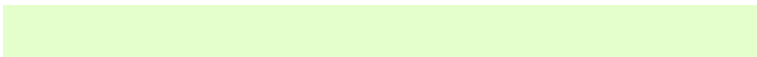
The Sweet Spot groups the original color and five complimentary colors.



90.1209, 0.2953, 0.3545



96.7579, 0.3074, 0.3361



92.4748, 0.3257, 0.3819



20.6378, 0.3068, 0.3369



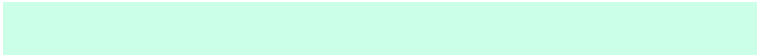
0.0000, 0.0000, 0.0000



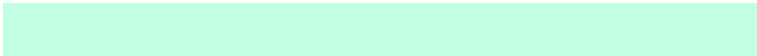
21.4041, 0.3127, 0.3290

Same Dimension

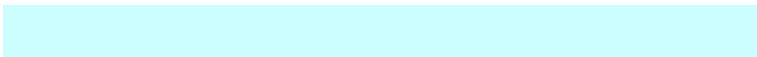
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1209, 0.2953, 0.3545



88.4656, 0.2920, 0.3602



91.0302, 0.2826, 0.3280



20.3290, 0.3043, 0.3404



38.3161, 0.2697, 0.4910



3.7528, 0.2642, 0.4711

Inverse Universe

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



70.0265, 0.3345, 0.3049



65.0600, 0.3399, 0.2998



69.1900, 0.3526, 0.3300



18.1293, 0.3220, 0.3179



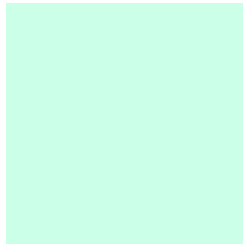
11.8463, 0.5090, 0.2578



1.1753, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 90.1269, 0.2953, 0.3545 looks on a white background.

Color Contrast Check

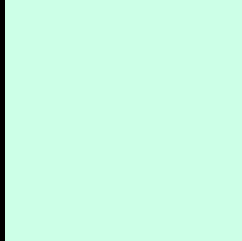
Large Text (above 18pt) WCAG AA × Fail

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 90.1269, 0.2953, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

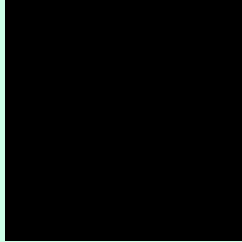
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

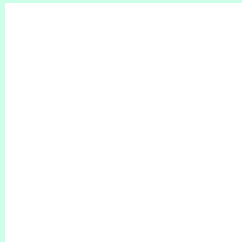
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1269, 0.2953, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 90.1269, 0.2953, 0.3545.

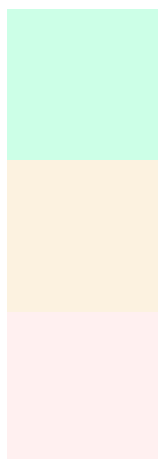


This preview shows how white text looks on a background with the Yxy color 90.1269, 0.2953, 0.3545.

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

90.1269, 0.2953, 0.3545

Protanopia

89.5815, 0.3305, 0.3469

Deuteranopia

89.8714, 0.3226, 0.3290



Tritanopia

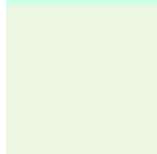
89.9545, 0.2975, 0.3199

Trichromacy



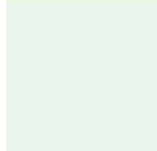
Original Color

90.1269, 0.2953, 0.3545



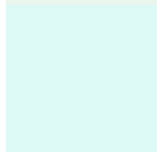
Protanomaly

89.7297, 0.3169, 0.3494



Deuteranomaly

89.2521, 0.3117, 0.3371



Tritanomaly

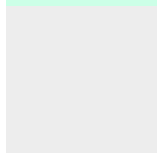
89.7773, 0.2971, 0.3320

Monochromacy



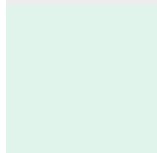
Original Color

90.1269, 0.2953, 0.3545



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7071, 0.3059, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1269, 0.2953, 0.3545 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(204, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 90.1269, 0.2953, 0.3545 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(204, 255, 231) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1269, 0.2953, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 231) }
```

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

```
.background{ background-color: rgb(204,  
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](#).

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