

Converting Colors

$Yxy(67.5629, 0.2233, 0.2627)$

Have a look what the booklet for
Yxy(67.5629, 0.2233, 0.2627)
contains.

| | |
|--|----|
| Yxy(65.6029, 0.2348, 0.2951) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(65.6029, 0.2348, 0.2951)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 70E3FF |
| RGB | 112, 227, 255 |
| RGB Percent | 44%, 89%, 100% |
| CMY | 0.5608, 0.1098, 0.0001 |
| CMYK | 0.56, 0.11, 0.00, 0.00 |
| HSL | 192°, 100%, 72% |
| HSV | 192°, 56%, 100% |
| XYZ | 52.1978, 65.6029, 104.5067 |
| YIQ | 195.8070, -77.5280, -15.6720 |

Conversions

Conversions Part 2

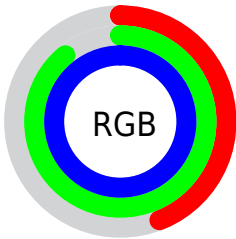
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 112, 176, 255 |
| Decimal | 7398399 |
| CIE Lab | 84.79, -25.00, -23.50 |
| CIE LCh | 85, 34.311, 223.233 |
| Yxy | 65.6029, 0.2348, 0.2951 |
| Android (android.graphics.Color) | 4285588479 (0xFF70E3FF) |
| YUV | 195.8070, 29.1821, -73.4987 |
| Hunter-Lab | 80.9956, -26.7077, -19.8035 |

Details

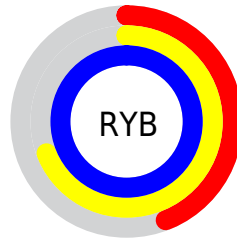
The Yxy color **65.6029, 0.2348, 0.2951** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **41.1747, 0.4649, 0.3575**, and the grayscale version is **54.9366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **33.6344, 0.2173, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **61.4731, 0.2251, 0.2880**, and if you desaturate by 10%, it is **70.2902, 0.2462, 0.3020**.

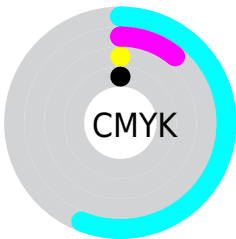
Distribution



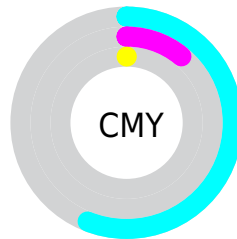
- Red (44%)
- Green (89%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (56%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6029, 0.2348, 0.2951 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 65.6029, 0.2348, 0.2951 by changing the saturation by 10% instead.

 65.6029, 0.2348,
0.2951

 65.6029, 0.2348,
0.2951

444.9554, 0.2703,
0.3119


 47.9501, 0.2269,
0.2910

 112.9162, 0.2470,
0.3011

 33.7874, 0.2173,
0.2859


 143.3455, 0.2517,
0.3034

 22.7303, 0.2053,
0.2792


 178.8024, 0.2559,
0.3054

 14.3945, 0.1901,
0.2702

219.6714, 0.2595,
0.3071

 8.3956, 0.1702,
0.2576

266.3368, 0.2626,
0.3085

 4.3491, 0.1433,
0.2389

319.1830, 0.2655,

 1.8707, 0.1064,

0.3098

0.2093

378.5944, 0.2680,
0.3109

■ 0.5307, 0.0000,
0.1572

■ 0.0000, 0.0000,
0.0000

■ 65.6029, 0.2348,
0.2951

■ 65.6029, 0.2348,
0.2951

■ 61.4731, 0.2251,
0.2880

■ 70.2902, 0.2462,
0.3020

■ 57.8515, 0.2174,
0.2808

■ 75.5645, 0.2591,
0.3086

■ 54.6918, 0.2116,
0.2736

■ 81.4618, 0.2731,
0.3149

■ 51.9336, 0.2078,
0.2664

■ 88.0127, 0.2879,
0.3207

■ 50.9268, 0.2066,
0.2637

■ 95.2458, 0.3033,
0.3260

99.9991, 0.3127,
0.3290

Harmonies

Analogous

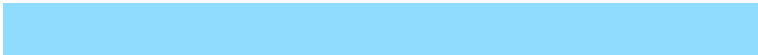
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.6029, 0.2500, 0.3343



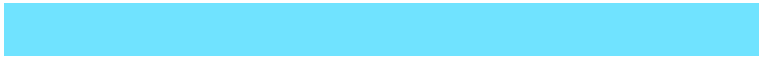
65.6029, 0.2348, 0.2951



65.6029, 0.2386, 0.2690

Triad

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



65.6029, 0.2348, 0.2951



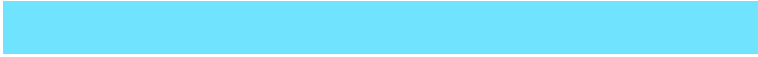
65.6029, 0.3410, 0.2883



65.6029, 0.3638, 0.4042

Complementary

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



65.6029, 0.2348, 0.2951



41.1747, 0.4649, 0.3575

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.



65.6029, 0.3915, 0.3850



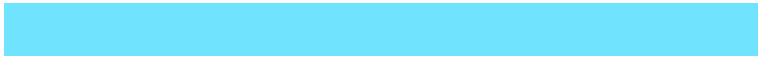
65.6029, 0.2348, 0.2951



65.6029, 0.3786, 0.3190

Square

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



65.6029, 0.2348, 0.2951



65.6029, 0.2974, 0.2672



65.6029, 0.3975, 0.3536



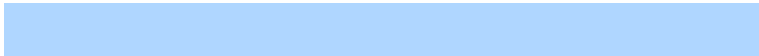
65.6029, 0.3234, 0.4020

Rectangle

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



65.6029, 0.2348, 0.2951



65.6029, 0.2514, 0.2610



65.6029, 0.3975, 0.3536



65.6029, 0.3749, 0.3998

Sweetspot

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



65.6054, 0.2348, 0.2951



87.3921, 0.2865, 0.3202



76.7966, 0.2934, 0.4791



18.4149, 0.2835, 0.3190



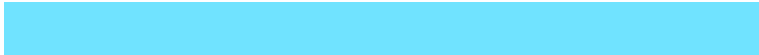
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.6054, 0.2348, 0.2951



61.1263, 0.2243, 0.2873



34.8698, 0.2153, 0.2038



19.8418, 0.2980, 0.3242



26.8273, 0.2069, 0.2648



2.7592, 0.2092, 0.2730

Inverse Universe

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



38.3903, 0.3457, 0.2179



32.8749, 0.3541, 0.2023



68.3746, 0.4183, 0.4260



18.2358, 0.3168, 0.3101



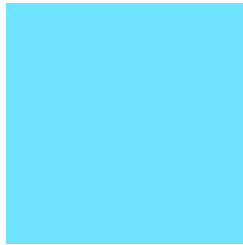
13.4362, 0.3777, 0.1855



1.3231, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 65.6029, 0.2348, 0.2951 looks on a white background.

Color Contrast Check

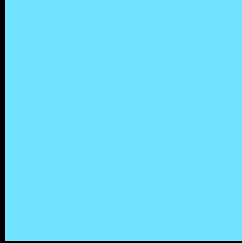
Large Text (above 18pt) WCAG AA × Fail

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 65.6029, 0.2348, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

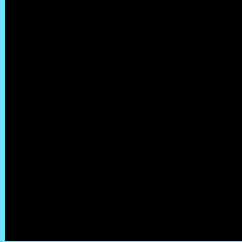
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6029, 0.2348, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 65.6029, 0.2348, 0.2951.



This preview shows how white text looks on a background with the Yxy color 65.6029, 0.2348, 0.2951.

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

65.6029, 0.2348, 0.2951

Protanopia

64.9094, 0.2868, 0.2914

Deuteranopia

64.4844, 0.2806, 0.2760



Tritanopia

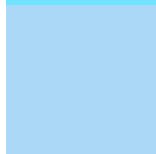
65.4534, 0.2373, 0.3055

Trichromacy



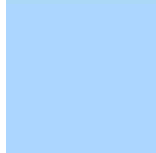
Original Color

65.6029, 0.2348, 0.2951



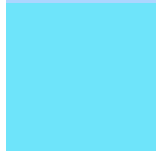
Protanomaly

64.4851, 0.2643, 0.2931



Deuteranomaly

64.0838, 0.2603, 0.2822



Tritanomaly

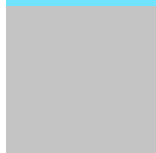
65.7039, 0.2364, 0.3020

Monochromacy



Original Color

65.6029, 0.2348, 0.2951



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.6347, 0.2765, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6029, 0.2348, 0.2951 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(112, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 227, 255)  
}
```

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(112, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 227, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.6029, 0.2348, 0.2951 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(112, 227, 255) }
```

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

```
.border{ border-color:rgb(112, 227, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 227, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 227,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6029, 0.2348, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 227, 255) }
```

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

```
.background{ background-color: rgb(112,  
227, 255) }
```

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