

Converting Colors

$Y_{xy}(54.7771, 0.2215, 0.2540)$

Have a look what the booklet for
Yxy(54.7771, 0.2215, 0.2540)
contains.

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Color

Yxy(53.8859, 0.2261, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	69CDFD
RGB	105, 205, 255
RGB Percent	41%, 80%, 100%
CMY	0.5877, 0.1961, 0.0000
CMYK	0.59, 0.20, 0.00, 0.00
HSL	200°, 100%, 71%
HSV	200°, 59%, 100%
XYZ	45.7171, 53.8859, 102.5955
YIQ	180.8000, -75.6500, -5.6500

Conversions

Conversions Part 2

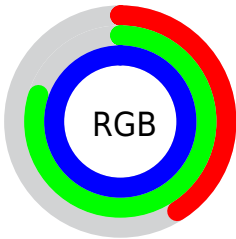
Format	Color
R _{YB}	105, 165, 255
Decimal	6934015
CIE _{Lab}	78.40, -15.12, -33.32
CIE _{LCh}	78, 36.593, 245.596
Yxy	53.8859, 0.2261, 0.2665
Android (android.graphics.Color)	4285124095 (0xFF69CDFF)
YUV	180.8000, 36.5806, -66.4766
Hunter-Lab	73.4070, -17.2944, -31.4803

Details

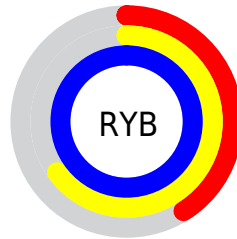
The Yxy color **53.8859, 0.2261, 0.2665** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.7707, 0.4605, 0.3795**, and the grayscale version is **45.9417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **26.4434, 0.2057, 0.2506** is the 20% darker color. If you saturate the color by 10%, you get **48.6056, 0.2149, 0.2537**, and if you desaturate by 10%, it is **59.8545, 0.2389, 0.2789**.

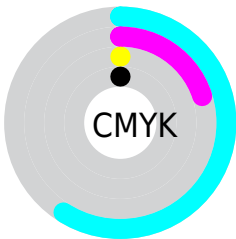
Distribution



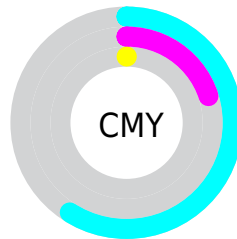
- Red (41%)
- Green (80%)
- Blue (100%)



- Red (41%)
- Yellow (65%)
- Blue (100%)



- Cyan (59%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8859, 0.2261, 0.2665 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 53.8859, 0.2261, 0.2665 by changing the saturation by 10% instead.


 53.8859, 0.2261,
0.2665

 53.8859, 0.2261,
0.2665


401.6748, 0.2666,
0.2971


 38.5104, 0.2169,
0.2592


 95.9067, 0.2401,
0.2774

 26.3791, 0.2056,
0.2500

 123.3208, 0.2456,
0.2816

 17.1075, 0.1915,
0.2383


 155.5166, 0.2503,
0.2851

 10.3111, 0.1734,
0.2228

192.8785, 0.2544,
0.2882

 5.6057, 0.1496,
0.2015

235.7909, 0.2580,
0.2908

 2.6069, 0.1179,
0.1713

284.6381, 0.2612,

 0.9301, 0.0707,

0.2932

0.1279

339.8046, 0.2641,
0.2953

0.0000, 0.0000,
0.0000

53.8859, 0.2261,
0.2665

53.8859, 0.2261,
0.2665

48.6056, 0.2149,
0.2537

59.8545, 0.2389,
0.2789

43.9614, 0.2056,
0.2407

66.5463, 0.2530,
0.2908

39.9011, 0.1985,
0.2278

74.0003, 0.2680,
0.3019

36.3479, 0.1933,
0.2152

82.2506, 0.2835,
0.3122

35.9347, 0.1927,
0.2137

91.3286, 0.2991,
0.3215

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



53.8859, 0.2272, 0.3002



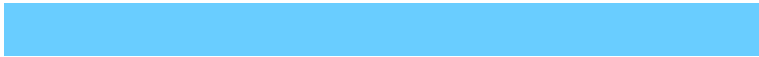
53.8859, 0.2261, 0.2665



53.8859, 0.2457, 0.2518

Triad

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



53.8859, 0.2261, 0.2665



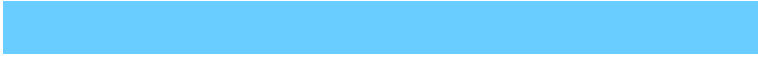
53.8859, 0.3785, 0.3079



53.8859, 0.3366, 0.4161

Complementary

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



53.8859, 0.2261, 0.2665



45.7707, 0.4605, 0.3795

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.



53.8859, 0.3802, 0.4107



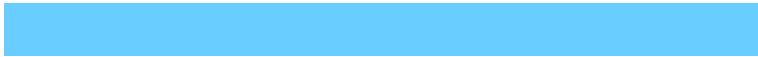
53.8859, 0.2261, 0.2665



53.8859, 0.4065, 0.3461

Square

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



53.8859, 0.2261, 0.2665



53.8859, 0.3320, 0.2759



53.8859, 0.4066, 0.3834



53.8859, 0.2886, 0.3924

Rectangle

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



53.8859, 0.2261, 0.2665



53.8859, 0.2691, 0.2525



53.8859, 0.4066, 0.3834



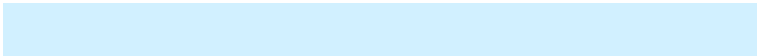
53.8859, 0.3523, 0.4174

Sweetspot

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



53.8879, 0.2261, 0.2665



82.9241, 0.2847, 0.3129



76.8985, 0.2832, 0.4583



17.2133, 0.2801, 0.3100



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.



53.8879, 0.2261, 0.2665



47.5188, 0.2127, 0.2508



26.2247, 0.2043, 0.1680



19.4002, 0.2980, 0.3209



19.0633, 0.1933, 0.2158



2.0573, 0.1973, 0.2302

Inverse Universe

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



35.7962, 0.3704, 0.2313



30.0723, 0.3878, 0.2180



78.8862, 0.4101, 0.4487



18.1913, 0.3189, 0.3133



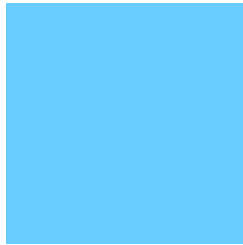
12.6524, 0.4278, 0.2130



1.2522, 0.4125, 0.2046

Previews

White Background



This preview shows how the Yxy color 53.8859, 0.2261, 0.2665 looks on a white background.

Color Contrast Check

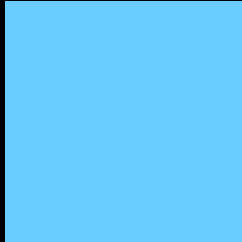
Large Text (above 18pt) WCAG AA × Fail

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 53.8859, 0.2261, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

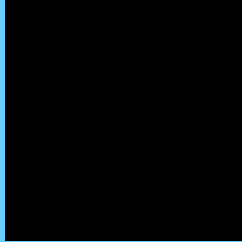
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

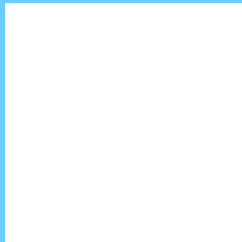
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8859, 0.2261, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 53.8859, 0.2261, 0.2665.



This preview shows how white text looks on a background with the Yxy color 53.8859, 0.2261, 0.2665.

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

53.8859, 0.2261, 0.2665

Protanopia

53.4379, 0.2672, 0.2658

Deuteranopia

53.2770, 0.2593, 0.2541



Tritanopia

53.9664, 0.2350, 0.3061

Trichromacy



Original Color

53.8859, 0.2261, 0.2665

Protanomaly

52.9948, 0.2489, 0.2650

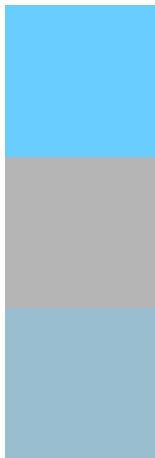
Deuteranomaly

52.7342, 0.2446, 0.2572

Tritanomaly

53.7676, 0.2315, 0.2910

Monochromacy



Original Color

53.8859, 0.2261, 0.2665

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

48.1533, 0.2721, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8859, 0.2261, 0.2665 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(105, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 205, 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(105, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.8859, 0.2261, 0.2665 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(105, 205, 255) }
```

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

```
.border{ border-color:rgb(105, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8859, 0.2261, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 205, 255) }
```

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

```
.background{ background-color: rgb(105,  
205, 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](#).

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