

Converting Colors

$Yxy(53.9268, 0.2259, 0.2667)$

Have a look what the booklet for
Yxy(53.9268, 0.2259, 0.2667)
contains.

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Color

Yxy(53.8257, 0.2257, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	68CDFF
RGB	104, 205, 255
RGB Percent	41%, 80%, 100%
CMY	0.5921, 0.1960, 0.0001
CMYK	0.59, 0.20, 0.00, 0.00
HSL	200°, 100%, 70%
HSV	200°, 59%, 100%
XYZ	45.5852, 53.8257, 102.5617
YIQ	180.5010, -76.2460, -5.8620

Conversions

Conversions Part 2

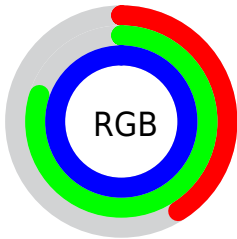
Format	Color
RYB	104, 165, 255
Decimal	6868479
CIELab	78.36, -15.34, -33.36
CIELCh	78, 36.722, 245.301
Yxy	53.8257, 0.2257, 0.2665
Android (android.graphics.Color)	4285058559 (0xFF68CDFF)
YUV	180.5010, 36.7280, -67.0914
Hunter-Lab	73.3660, -17.4813, -31.5280

Details

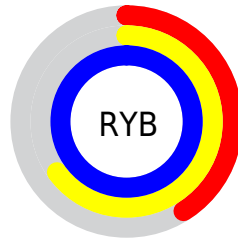
The Yxy color **53.8257, 0.2257, 0.2665** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.3511, 0.4623, 0.3793**, and the grayscale version is **45.7558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **26.4046, 0.2052, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **48.5969, 0.2146, 0.2538**, and if you desaturate by 10%, it is **59.7372, 0.2384, 0.2788**.

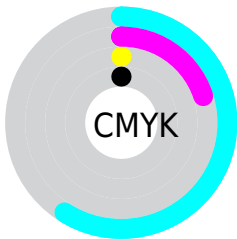
Distribution



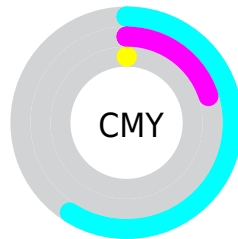
- Red (41%)
- Green (80%)
- Blue (100%)



- 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 53.8257, 0.2257, 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 53.8257, 0.2257, 0.2665 by changing the saturation by 10% instead.


 53.8257, 0.2257,
0.2665

 53.8257, 0.2257,
0.2665


401.4450, 0.2664,
0.2971

 38.4623, 0.2165,
0.2592


 95.8183, 0.2398,
0.2774

 26.3417, 0.2051,
0.2500


 123.2163, 0.2453,
0.2816

 17.0795, 0.1909,
0.2383


 155.3946, 0.2500,
0.2851

 10.2912, 0.1728,
0.2227

192.7376, 0.2542,
0.2882

 5.5924, 0.1489,
0.2014

235.6298, 0.2578,
0.2909

 2.5989, 0.1172,
0.1711

284.4555, 0.2610,

 0.9261, 0.0696,

0.2932

0.1276

339.5991, 0.2638,
0.2953

0.0000, 0.0000,
0.0000

53.8257, 0.2257,
0.2665

53.8257, 0.2257,
0.2665

48.5969, 0.2146,
0.2538

59.7372, 0.2384,
0.2788

43.9985, 0.2055,
0.2409

66.3664, 0.2525,
0.2906

39.9778, 0.1984,
0.2282

73.7524, 0.2674,
0.3017

36.4545, 0.1934,
0.2157

81.9292, 0.2828,
0.3119

36.1887, 0.1930,
0.2147

90.9285, 0.2984,
0.3212

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



53.8257, 0.2270, 0.3004



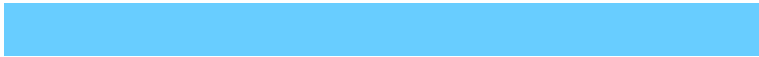
53.8257, 0.2257, 0.2665



53.8257, 0.2452, 0.2516

Triad

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



53.8257, 0.2257, 0.2665



53.8257, 0.3783, 0.3074



53.8257, 0.3372, 0.4166

Complementary

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



53.8257, 0.2257, 0.2665



45.3511, 0.4623, 0.3793

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.



53.8257, 0.3808, 0.4108



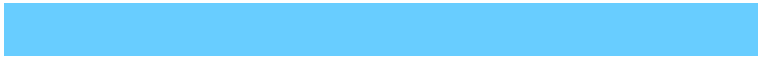
53.8257, 0.2257, 0.2665



53.8257, 0.4067, 0.3457

Square

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



53.8257, 0.2257, 0.2665



53.8257, 0.3316, 0.2754



53.8257, 0.4071, 0.3833



53.8257, 0.2890, 0.3931

Rectangle

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



53.8257, 0.2257, 0.2665



53.8257, 0.2685, 0.2522



53.8257, 0.4071, 0.3833



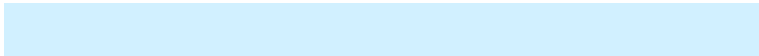
53.8257, 0.3529, 0.4178

Sweetspot

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



53.8277, 0.2257, 0.2665



82.9987, 0.2847, 0.3131



76.7002, 0.2842, 0.4627



17.2316, 0.2802, 0.3102



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.



53.8277, 0.2257, 0.2665



47.7429, 0.2128, 0.2515



26.5777, 0.2042, 0.1698



19.4090, 0.2980, 0.3209



19.2009, 0.1936, 0.2168



2.0700, 0.1975, 0.2310

Inverse Universe

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



35.5632, 0.3705, 0.2304



30.0949, 0.3871, 0.2176



77.3479, 0.4122, 0.4474



18.1921, 0.3189, 0.3132



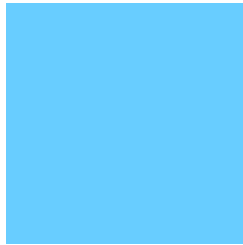
12.6663, 0.4267, 0.2124



1.2535, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 53.8257, 0.2257, 0.2665 looks on a white background.

Color Contrast Check

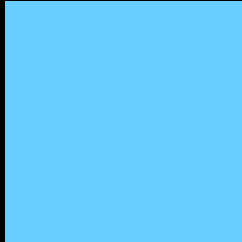
Large Text (above 18pt) WCAG AA × Fail

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 53.8257, 0.2257, 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

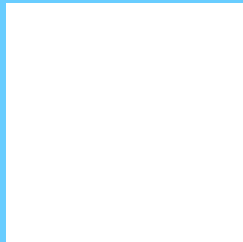
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.8257, 0.2257, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 53.8257, 0.2257, 0.2665.



This preview shows how white text looks on a background with the Yxy color 53.8257, 0.2257, 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

53.8257, 0.2257, 0.2665

Protanopia

53.3770, 0.2678, 0.2669

Deuteranopia

53.2770, 0.2593, 0.2541



Tritanopia

53.9145, 0.2346, 0.3061

Trichromacy



Original Color

53.8257, 0.2257, 0.2665

Protanomaly

52.9326, 0.2494, 0.2660

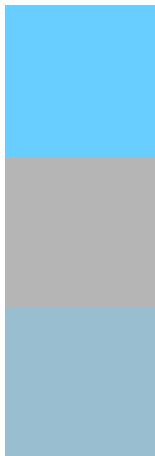
Deuteranomaly

52.7342, 0.2446, 0.2572

Tritanomaly

53.7130, 0.2311, 0.2909

Monochromacy



Original Color

53.8257, 0.2257, 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 53.8257, 0.2257, 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(104, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.8257, 0.2257, 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(104, 205, 255) }
```

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

```
.border{ border-color:rgb(104, 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(104, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 205, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 205, 255); box-shadow:4px 4px 4px 4px rgb(104, 205, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8257, 0.2257, 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(104, 205, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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