

Converting Colors

$Yxy(53.2291, 0.2193, 0.2667)$

Have a look what the booklet for
Yxy(53.2291, 0.2193, 0.2667)
contains.

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Color

Yxy(53.2474, 0.2193, 0.2668)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 54CEFF |
| RGB | 84, 206, 255 |
| RGB Percent | 33%, 81%, 100% |
| CMY | 0.6710, 0.1921, 0.0001 |
| CMYK | 0.67, 0.19, 0.00, 0.00 |
| HSL | 197°, 100%, 66% |
| HSV | 197°, 67%, 100% |
| XYZ | 43.7674, 53.2474, 102.5631 |
| YIQ | 175.1080, -88.4410, -10.6250 |

Conversions

Conversions Part 2

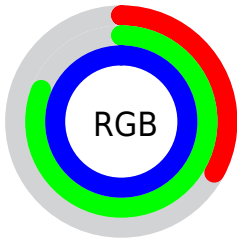
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 84, 155, 255 |
| Decimal | 5558015 |
| CIE _{Lab} | 78.02, -19.16, -33.95 |
| CIE _{LCh} | 78, 38.980, 240.566 |
| Yxy | 53.2474, 0.2193, 0.2668 |
| Android (android.graphics.Color) | 4283748095 (0xFF54CEFF) |
| YUV | 175.1080, 39.3868, -79.9017 |
| Hunter-Lab | 72.9708, -20.6357, -32.2547 |

Details

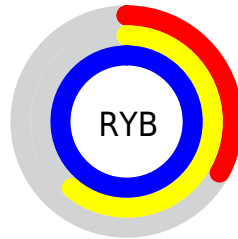
The Yxy color **53.2474, 0.2193, 0.2668** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **38.6325, 0.4973, 0.3752**, and the grayscale version is **42.7420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **48.8478, 0.2104, 0.2558**, and if you desaturate by 10%, it is **58.2418, 0.2301, 0.2776**.

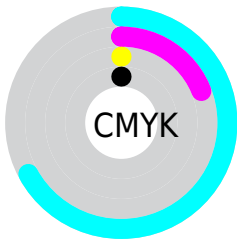
Distribution



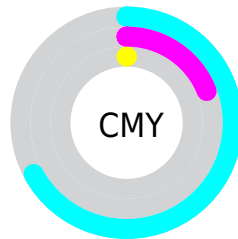
- Red (33%)
- Green (81%)
- Blue (100%)



- Red (33%)
- Yellow (61%)
- Blue (100%)



- Cyan (67%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (67%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2474, 0.2193, 0.2668 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 53.2474, 0.2193, 0.2668 by changing the saturation by 10% instead.

53.2474, 0.2193,
0.2668

53.2474, 0.2193,
0.2668

399.2336, 0.2628,
0.2976

38.0003, 0.2095,
0.2594

94.9683, 0.2344,
0.2778

25.9829, 0.1974,
0.2501

122.2109, 0.2402,
0.2820

16.8109, 0.1824,
0.2381

154.2208, 0.2453,
0.2856

10.0997, 0.1632,
0.2222

191.3824, 0.2497,
0.2886

5.4651, 0.1384,
0.2003

234.0801, 0.2536,
0.2913

2.5227, 0.1057,
0.1692

282.6983, 0.2570,

0.8880, 0.0531,

0.2937

0.1252

337.6213, 0.2601,
0.2957

0.0000, 0.0000,
0.0000

53.2474, 0.2193,
0.2668

53.2474, 0.2193,
0.2668

48.8478, 0.2104,
0.2558

58.2418, 0.2301,
0.2776

44.9859, 0.2036,
0.2449

63.8690, 0.2425,
0.2880

41.5986, 0.1987,
0.2341

70.1699, 0.2563,
0.2980

40.6767, 0.1975,
0.2310

77.1796, 0.2709,
0.3073

84.9305, 0.2862,
0.3160

 93.4526, 0.3017,
0.3239

99.9989, 0.3127,
0.3290

Harmonies

Analogous

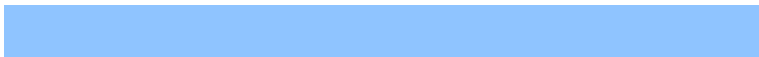
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.2474, 0.2241, 0.3056



53.2474, 0.2193, 0.2668



53.2474, 0.2364, 0.2481

Triad

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



53.2474, 0.2193, 0.2668



53.2474, 0.3756, 0.3000



53.2474, 0.3464, 0.4236

Complementary

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



53.2474, 0.2193, 0.2668



38.6325, 0.4973, 0.3752

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.



53.2474, 0.3908, 0.4124



53.2474, 0.2193, 0.2668



53.2474, 0.4100, 0.3398

Square

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



53.2474, 0.2193, 0.2668



53.2474, 0.3242, 0.2679



53.2474, 0.4151, 0.3803



53.2474, 0.2951, 0.4036

Rectangle

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



53.2474, 0.2193, 0.2668



53.2474, 0.2591, 0.2468



53.2474, 0.4151, 0.3803



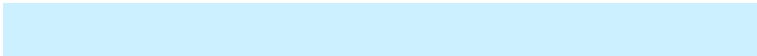
53.2474, 0.3627, 0.4230

Sweetspot

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



53.2493, 0.2193, 0.2668



82.6153, 0.2817, 0.3135



75.0651, 0.2853, 0.4912



17.2136, 0.2774, 0.3111



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.



53.2493, 0.2193, 0.2668



47.2868, 0.2075, 0.2516



22.7650, 0.1917, 0.1530



19.5512, 0.2980, 0.3220



21.5257, 0.1980, 0.2328



2.2828, 0.2014, 0.2451

Inverse Universe

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



32.0382, 0.3722, 0.2147



27.3911, 0.3890, 0.2039



71.9933, 0.4281, 0.4541



18.2065, 0.3182, 0.3122



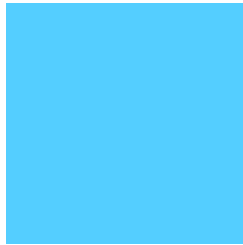
12.9010, 0.4097, 0.2031



1.2750, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 53.2474, 0.2193, 0.2668 looks on a white background.

Color Contrast Check

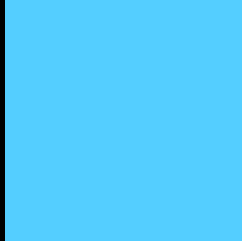
Large Text (above 18pt) WCAG AA × Fail

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 53.2474, 0.2193, 0.2668 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

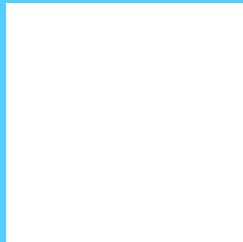
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.2474, 0.2193, 0.2668

Background



This preview shows how black text looks on a background with the Yxy color 53.2474, 0.2193, 0.2668.

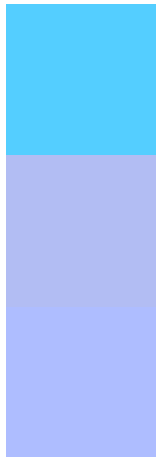


This preview shows how white text looks on a background with the Yxy color 53.2474, 0.2193, 0.2668.

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

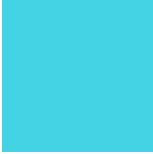
53.2474, 0.2193, 0.2668

Protanopia

52.3312, 0.2674, 0.2654

Deuteranopia

52.6139, 0.2579, 0.2526



Tritanopia

53.4189, 0.2271, 0.3057

Trichromacy



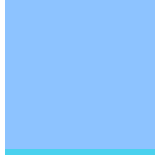
Original Color

53.2474, 0.2193, 0.2668



Protanomaly

51.6749, 0.2452, 0.2651



Deuteranomaly

51.9129, 0.2397, 0.2563



Tritanomaly

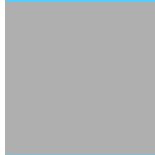
53.2298, 0.2240, 0.2904

Monochromacy



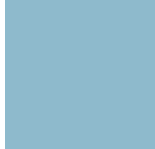
Original Color

53.2474, 0.2193, 0.2668



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.2282, 0.2666, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2474, 0.2193, 0.2668 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(84, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(84, 206, 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(84, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.2474, 0.2193, 0.2668 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(84, 206, 255) }
```

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

```
.border{ border-color:rgb(84, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(84, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2474, 0.2193, 0.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 206, 255) }
```

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

```
.background{ background-color: rgb(84, 206,  
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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