

Converting Colors

$Yxy(51.3916, 0.2189, 0.2766)$

Have a look what the booklet for
Yxy(51.3916, 0.2189, 0.2766)
contains.

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Color

Yxy(51.4964, 0.2193, 0.2775)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 46CDF4 |
| RGB | 70, 205, 244 |
| RGB Percent | 27%, 80%, 96% |
| CMY | 0.7247, 0.1961, 0.0431 |
| CMYK | 0.71, 0.16, 0.00, 0.04 |
| HSL | 193°, 89%, 62% |
| HSV | 193°, 71%, 96% |
| XYZ | 40.6961, 51.4964, 93.3801 |
| YIQ | 169.0810, -92.9790, -16.4910 |

Conversions

Conversions Part 2

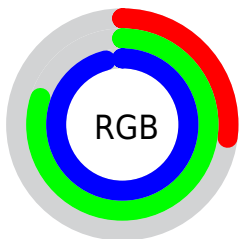
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 70, 146, 244 |
| Decimal | 4640244 |
| CIE Lab | 76.98, -23.92, -29.71 |
| CIE LCh | 77, 38.139, 231.168 |
| Yxy | 51.4964, 0.2193, 0.2775 |
| Android (android.graphics.Color) | 4282830324 (0xFF46CDF4) |
| YUV | 169.0810, 36.9351, -86.8940 |
| Hunter-Lab | 71.7610, -24.3534, -26.9194 |

Details

The Yxy color **51.4964, 0.2193, 0.2775** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **30.6600, 0.5227, 0.3650**, and the grayscale version is **39.5942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **25.7641, 0.2068, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **48.1905, 0.2121, 0.2691**, and if you desaturate by 10%, it is **55.2664, 0.2284, 0.2858**.

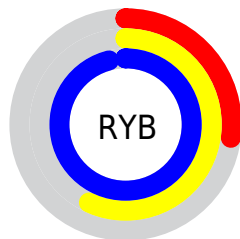
Distribution



Red (27%)

Green (80%)

Blue (96%)



Red (27%)

Yellow (57%)

Blue (96%)

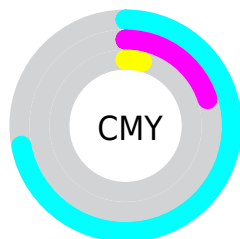


Cyan (71%)

Magenta (16%)

Yellow (0%)

Black (4%)



Cyan (72%)


Magenta (20%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4964, 0.2193, 0.2775 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 51.4964, 0.2193, 0.2775 by changing the saturation by 10% instead.


 51.4964, 0.2193,
0.2775


 51.4964, 0.2193,
0.2775


392.4893, 0.2632,
0.3037

 36.6038, 0.2093,
0.2710


 92.3881, 0.2346,
0.2870

 24.9009, 0.1970,
0.2627


 119.1560, 0.2405,
0.2906

 16.0032, 0.1815,
0.2519


 150.6512, 0.2456,
0.2936

 9.5264, 0.1618,
0.2372

 187.2580, 0.2500,
0.2962

 5.0861, 0.1359,
0.2164

229.3608, 0.2539,
0.2985

 2.2979, 0.1015,
0.1855

277.3440, 0.2574,

 0.7726, 0.0276,

0.3004

0.1415

331.5921, 0.2604,
0.3021

■ 0.0000, 0.0000,
0.0000

■ 51.4964, 0.2193,
0.2775

■ 51.4964, 0.2193,
0.2775

■ 48.1905, 0.2121,
0.2691

■ 55.2664, 0.2284,
0.2858

■ 45.2946, 0.2070,
0.2608


■ 59.5355, 0.2394,
0.2940

■ 43.0262, 0.2038,
0.2536


■ 64.3413, 0.2518,
0.3018


■ 69.7154, 0.2655,
0.3092

■ 75.6871, 0.2802,
0.3161

 82.2831, 0.2954,
0.3225

 89.5285, 0.3108,
0.3283

 95.4205, 0.3195,
0.3336

 98.8521, 0.3191,
0.3389

Harmonies

Analogous

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



51.4964, 0.2310, 0.3212



51.4964, 0.2193, 0.2775



51.4964, 0.2296, 0.2525

Triad

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



51.4964, 0.2193, 0.2775



51.4964, 0.3600, 0.2893



51.4964, 0.3613, 0.4221

Complementary

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



51.4964, 0.2193, 0.2775



30.6600, 0.5227, 0.3650

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.



51.4964, 0.4003, 0.4032



51.4964, 0.2193, 0.2775



51.4964, 0.4011, 0.3270

Square

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



51.4964, 0.2193, 0.2775



51.4964, 0.3075, 0.2611



51.4964, 0.4158, 0.3677



51.4964, 0.3111, 0.4124

Rectangle

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



51.4964, 0.2193, 0.2775



51.4964, 0.2481, 0.2471



51.4964, 0.4158, 0.3677



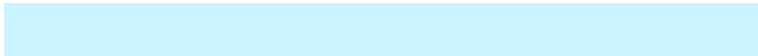
51.4964, 0.3762, 0.4185

Sweetspot

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



51.4983, 0.2193, 0.2775



83.7894, 0.2804, 0.3162



67.0894, 0.2896, 0.5169



17.5281, 0.2763, 0.3144



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.



51.4983, 0.2193, 0.2775



51.9477, 0.2099, 0.2658



21.1409, 0.1891, 0.1566



18.0899, 0.2980, 0.3236



23.6096, 0.2042, 0.2549



2.2262, 0.2070, 0.2653

Inverse Universe

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



28.0456, 0.3633, 0.2017



27.1355, 0.3759, 0.1920



58.5984, 0.4433, 0.4488



16.7009, 0.3172, 0.3108



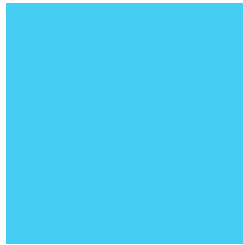
12.4828, 0.3874, 0.1908



1.1124, 0.3773, 0.1852

Previews

White Background



This preview shows how the Yxy color 51.4964, 0.2193, 0.2775 looks on a white background.

Color Contrast Check

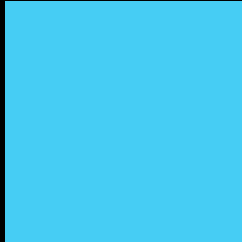
Large Text (above 18pt) WCAG AA × Fail

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 51.4964, 0.2193, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

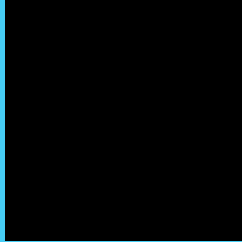
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4964, 0.2193, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 51.4964, 0.2193, 0.2775.



This preview shows how white text looks on a background with the Yxy color 51.4964, 0.2193, 0.2775.

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

51.4964, 0.2193, 0.2775

Protanopia

50.7751, 0.2747, 0.2759

Deuteranopia

50.8938, 0.2614, 0.2561



Tritanopia

51.4179, 0.2246, 0.3053

Trichromacy



Original Color

51.4964, 0.2193, 0.2775

Protanomaly

50.1287, 0.2479, 0.2756

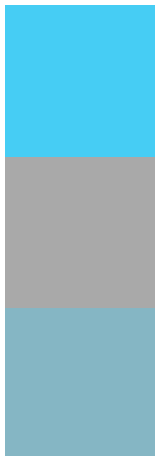
Deuteranomaly

50.0896, 0.2405, 0.2618

Tritanomaly

51.4760, 0.2226, 0.2949

Monochromacy



Original Color

51.4964, 0.2193, 0.2775

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.4280, 0.2649, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4964, 0.2193, 0.2775 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(70, 205, 244)` looks like.

```
.text, #text, p{  
    color:rgb(70, 205, 244)  
}
```

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(70, 205, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 205, 244) }
```

Border

The CSS property to change the border of an element to Yxy 51.4964, 0.2193, 0.2775 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(70, 205, 244) }
```

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

```
.border{ border-color:rgb(70, 205, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 205, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 205, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 205, 244);  
box-shadow:4px 4px 4px 4px rgb(70, 205,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4964, 0.2193, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 205, 244) }
```

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

```
.background{ background-color: rgb(70, 205,  
244) }
```

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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