

Converting Colors

$Y_{xy}(50.3214, 0.2188, 0.2754)$

Have a look what the booklet for
Yxy(50.3214, 0.2188, 0.2754)
contains.

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Color

Yxy(50.4850, 0.2189, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	46CBF3
RGB	70, 203, 243
RGB Percent	27%, 80%, 95%
CMY	0.7259, 0.2039, 0.0470
CMYK	0.71, 0.16, 0.00, 0.05
HSL	194°, 88%, 61%
HSV	194°, 71%, 95%
XYZ	40.0550, 50.4850, 92.4430
YIQ	167.7930, -92.1080, -15.7560

Conversions

Conversions Part 2

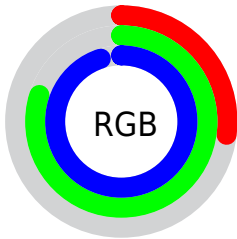
Format	Color
R _Y B	70, 145, 243
Decimal	4639731
CIE Lab	76.37, -23.26, -30.13
CIE LCh	76, 38.065, 232.327
Yxy	50.4850, 0.2189, 0.2759
Android (android.graphics.Color)	4282829811 (0xFF46CBF3)
YUV	167.7930, 37.0771, -85.7645
Hunter-Lab	71.0528, -23.7156, -27.4021

Details

The Yxy color **50.4850, 0.2189, 0.2759** 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 **30.6285, 0.5216, 0.3661**, and the grayscale version is **38.8861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **25.0827, 0.2062, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **47.1552, 0.2117, 0.2673**, and if you desaturate by 10%, it is **54.2796, 0.2281, 0.2845**.

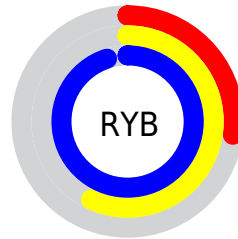
Distribution



Red (27%)

Green (80%)

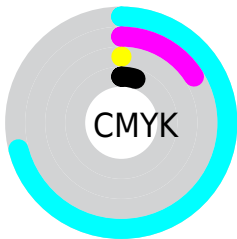
Blue (95%)



Red (27%)

Yellow (57%)

Blue (95%)

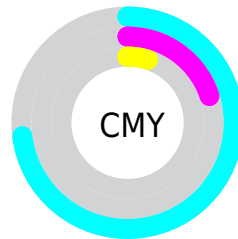


Cyan (71%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (73%)


Magenta (20%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.4850, 0.2189, 0.2759 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 50.4850, 0.2189, 0.2759 by changing the saturation by 10% instead.


 50.4850, 0.2189,
0.2759


 50.4850, 0.2189,
0.2759


388.5596, 0.2631,
0.3029

 35.7989, 0.2088,
0.2692


 90.8931, 0.2343,
0.2857


 24.2789, 0.1963,
0.2606

 117.3838, 0.2403,
0.2894

 15.5407, 0.1807,
0.2494


 148.5783, 0.2454,
0.2925

 9.1997, 0.1607,
0.2343

 184.8608, 0.2499,
0.2952

 4.8717, 0.1344,
0.2128

226.6158, 0.2538,
0.2975

 2.1722, 0.0995,
0.1810

274.2277, 0.2573,

 0.7048, 0.0195,

0.2995

0.1351

328.0808, 0.2603,
0.3013

■ 0.0000, 0.0000,
0.0000

■ 50.4850, 0.2189,
0.2759

■ 50.4850, 0.2189,
0.2759

■ 47.1552, 0.2117,
0.2673

■ 54.2796, 0.2281,
0.2845

■ 44.2367, 0.2064,
0.2587


■ 58.5741, 0.2391,
0.2929

■ 41.9536, 0.2031,
0.2512


■ 63.4054, 0.2517,
0.3009


■ 68.8053, 0.2655,
0.3086

■ 74.8025, 0.2801,
0.3157

 81.4238, 0.2953,
0.3223

 88.6940, 0.3108,
0.3283

 94.8295, 0.3202,
0.3338

 98.3337, 0.3198,
0.3391

Harmonies

Analogous

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



50.4850, 0.2298, 0.3192



50.4850, 0.2189, 0.2759



50.4850, 0.2301, 0.2516

Triad

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



50.4850, 0.2189, 0.2759



50.4850, 0.3621, 0.2904



50.4850, 0.3596, 0.4228

Complementary

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



50.4850, 0.2189, 0.2759



30.6285, 0.5216, 0.3661

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.



50.4850, 0.3995, 0.4047



50.4850, 0.2189, 0.2759



50.4850, 0.4026, 0.3285

Square

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



50.4850, 0.2189, 0.2759



50.4850, 0.3095, 0.2616



50.4850, 0.4163, 0.3694



50.4850, 0.3091, 0.4118

Rectangle

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



50.4850, 0.2189, 0.2759



50.4850, 0.2491, 0.2467



50.4850, 0.4163, 0.3694



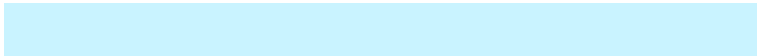
50.4850, 0.3748, 0.4195

Sweetspot

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



50.4868, 0.2189, 0.2759



83.5769, 0.2804, 0.3159



66.4814, 0.2896, 0.5169



17.4770, 0.2763, 0.3139



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.



50.4868, 0.2189, 0.2759



51.2566, 0.2093, 0.2638



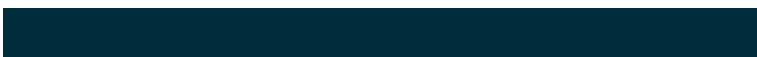
20.9496, 0.1891, 0.1566



18.0704, 0.2980, 0.3234



23.2361, 0.2035, 0.2526



2.1963, 0.2065, 0.2633

Inverse Universe

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



27.7366, 0.3647, 0.2026



27.0657, 0.3778, 0.1931



58.0674, 0.4433, 0.4488



16.6989, 0.3173, 0.3110



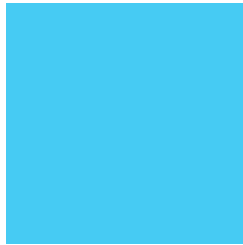
12.4451, 0.3897, 0.1920



1.1094, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 50.4850, 0.2189, 0.2759 looks on a white background.

Color Contrast Check

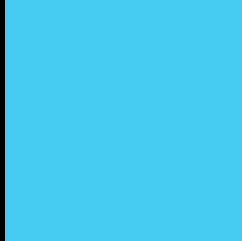
Large Text (above 18pt) WCAG AA × Fail

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 50.4850, 0.2189, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

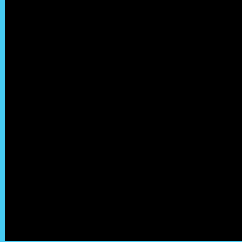
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.4850, 0.2189, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 50.4850, 0.2189, 0.2759.

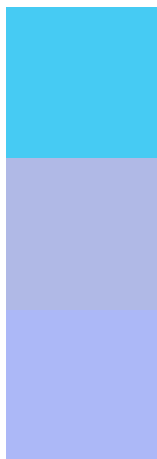


This preview shows how white text looks on a background with the Yxy color 50.4850, 0.2189, 0.2759.

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

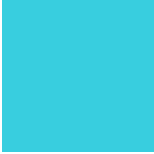
50.4850, 0.2189, 0.2759

Protanopia

49.6412, 0.2737, 0.2742

Deuteranopia

49.7670, 0.2604, 0.2544



Tritanopia

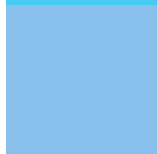
50.3111, 0.2245, 0.3051

Trichromacy



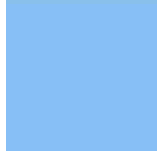
Original Color

50.4850, 0.2189, 0.2759



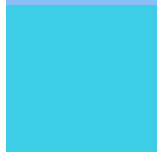
Protanomaly

49.0158, 0.2468, 0.2740



Deuteranomaly

49.0663, 0.2400, 0.2602



Tritanomaly

50.3679, 0.2225, 0.2946

Monochromacy



Original Color

50.4850, 0.2189, 0.2759



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.8934, 0.2647, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4850, 0.2189, 0.2759 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, 203, 243)` looks like.

```
.text, #text, p{  
    color:rgb(70, 203, 243)  
}
```

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, 203, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 203, 243) }
```

Border

The CSS property to change the border of an element to Yxy 50.4850, 0.2189, 0.2759 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, 203, 243) }
```

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

```
.border{ border-color:rgb(70, 203, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 203, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 203, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 203, 243);  
box-shadow:4px 4px 4px 4px rgb(70, 203,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4850, 0.2189, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 203, 243) }
```

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

```
.background{ background-color: rgb(70, 203,  
243) }
```

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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