

Converting Colors

$Yxy(50.3806, 0.2184, 0.2768)$

Have a look what the booklet for
Yxy(50.3806, 0.2184, 0.2768)
contains.

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Color

Yxy(50.3160, 0.2186, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	43CBF2
RGB	67, 203, 242
RGB Percent	26%, 80%, 95%
CMY	0.7364, 0.2040, 0.0510
CMYK	0.72, 0.16, 0.00, 0.05
HSL	193°, 87%, 61%
HSV	193°, 72%, 95%
XYZ	39.7079, 50.3160, 91.6223
YIQ	166.7820, -93.5750, -16.7030

Conversions

Conversions Part 2

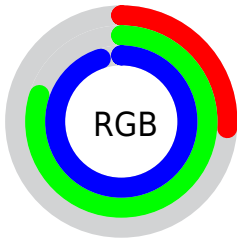
Format	Color
R _{YB}	67, 144, 242
Decimal	4443122
CIE _{Lab}	76.26, -23.90, -29.74
CIE _{LCh}	76, 38.160, 231.212
Yxy	50.3160, 0.2186, 0.2770
Android (android.graphics.Color)	4282633202 (0xFF43CBF2)
YUV	166.7820, 37.0825, -87.5088
Hunter-Lab	70.9338, -24.2120, -26.9289

Details

The Yxy color **50.3160, 0.2186, 0.2770** 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 **29.6399, 0.5269, 0.3647**, and the grayscale version is **38.4114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **25.0401, 0.2066, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **47.1240, 0.2117, 0.2687**, and if you desaturate by 10%, it is **53.9579, 0.2275, 0.2853**.

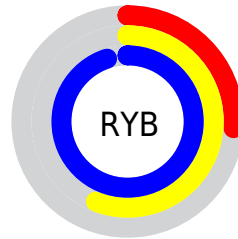
Distribution



Red (26%)

Green (80%)

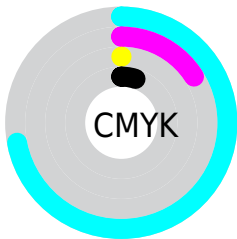
Blue (95%)



Red (26%)

Yellow (56%)

Blue (95%)

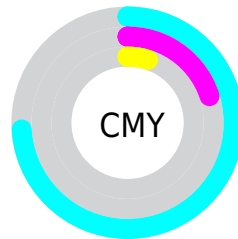


Cyan (72%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (74%)

Magenta (20%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3160, 0.2186, 0.2770 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 50.3160, 0.2186, 0.2770 by changing the saturation by 10% instead.

50.3160, 0.2186,
0.2770

50.3160, 0.2186,
0.2770

387.9004, 0.2630,
0.3035

35.6645, 0.2084,
0.2704

90.6429, 0.2341,
0.2867

24.1752, 0.1959,
0.2619

117.0871, 0.2400,
0.2903

15.4637, 0.1802,
0.2509

148.2311, 0.2452,
0.2934

9.1454, 0.1601,
0.2358

184.4592, 0.2497,
0.2960

4.8362, 0.1336,
0.2144

226.1557, 0.2536,
0.2983

2.1515, 0.0986,
0.1826

273.7052, 0.2571,

0.6933, 0.0149,

0.3002

0.1367

327.4920, 0.2602,
0.3020

■ 0.0000, 0.0000,
0.0000

■ 50.3160, 0.2186,
0.2770

■ 50.3160, 0.2186,
0.2770

■ 47.1240, 0.2117,
0.2687

■ 53.9579, 0.2275,
0.2853

■ 44.3279, 0.2067,
0.2604


■ 58.0847, 0.2383,
0.2934


■ 42.3710, 0.2039,
0.2541

■ 62.7335, 0.2506,
0.3012


■ 67.9358, 0.2642,
0.3086

■ 73.7203, 0.2787,
0.3155

 80.1134, 0.2938,
0.3219

 87.1400, 0.3093,
0.3278

 93.7036, 0.3209,
0.3331

 97.0410, 0.3205,
0.3383

Harmonies

Analogous

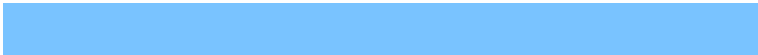
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.3160, 0.2303, 0.3210



50.3160, 0.2186, 0.2770



50.3160, 0.2290, 0.2519

Triad

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



50.3160, 0.2186, 0.2770



50.3160, 0.3605, 0.2890



50.3160, 0.3616, 0.4229

Complementary

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



50.3160, 0.2186, 0.2770



29.6399, 0.5269, 0.3647

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.



50.3160, 0.4009, 0.4038



50.3160, 0.2186, 0.2770



50.3160, 0.4019, 0.3270

Square

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



50.3160, 0.2186, 0.2770



50.3160, 0.3075, 0.2606



50.3160, 0.4167, 0.3680



50.3160, 0.3110, 0.4131

Rectangle

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



50.3160, 0.2186, 0.2770



50.3160, 0.2476, 0.2465



50.3160, 0.4167, 0.3680



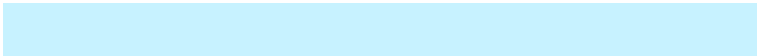
50.3160, 0.3766, 0.4193

Sweetspot

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



50.3178, 0.2186, 0.2770



83.1379, 0.2789, 0.3156



65.7267, 0.2896, 0.5196



17.4008, 0.2749, 0.3138



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.



50.3178, 0.2186, 0.2770



51.4400, 0.2089, 0.2645



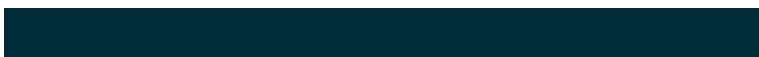
20.2731, 0.1876, 0.1541



17.2955, 0.2981, 0.3236



22.9751, 0.2043, 0.2554



2.0566, 0.2073, 0.2662

Inverse Universe

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



27.2283, 0.3639, 0.2005



26.7872, 0.3773, 0.1912



57.1943, 0.4450, 0.4497



15.9675, 0.3172, 0.3108



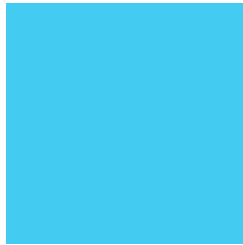
12.1127, 0.3869, 0.1905



1.0223, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 50.3160, 0.2186, 0.2770 looks on a white background.

Color Contrast Check

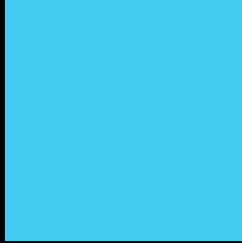
Large Text (above 18pt) WCAG AA × Fail

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 50.3160, 0.2186, 0.2770 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 50.3160, 0.2186, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 50.3160, 0.2186, 0.2770.



This preview shows how white text looks on a background with the Yxy color 50.3160, 0.2186, 0.2770.

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

50.3160, 0.2186, 0.2770

Protanopia

49.5852, 0.2743, 0.2754

Deuteranopia

49.7055, 0.2610, 0.2554



Tritanopia

50.2272, 0.2239, 0.3051

Trichromacy



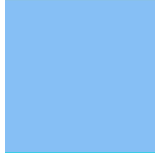
Original Color

50.3160, 0.2186, 0.2770



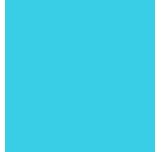
Protanomaly

48.8740, 0.2468, 0.2750



Deuteranomaly

48.9225, 0.2399, 0.2612



Tritanomaly

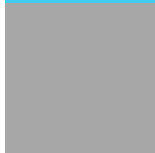
50.2754, 0.2218, 0.2945

Monochromacy



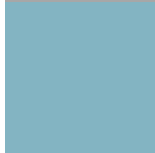
Original Color

50.3160, 0.2186, 0.2770



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.3629, 0.2644, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3160, 0.2186, 0.2770 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(67, 203, 242)` looks like.

```
.text, #text, p{  
    color:rgb(67, 203, 242)  
}
```

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(67, 203, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 203, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.3160, 0.2186, 0.2770 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(67, 203, 242) }
```

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

```
.border{ border-color:rgb(67, 203, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 203, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 203, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 203, 242);  
box-shadow:4px 4px 4px 4px rgb(67, 203,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3160, 0.2186, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 203, 242) }
```

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

```
.background{ background-color: rgb(67, 203,  
242) }
```

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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