

Converting Colors

$Yxy(49.1897, 0.2183, 0.2749)$

Have a look what the booklet for
Yxy(49.1897, 0.2183, 0.2749)
contains.

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Color

Yxy(49.3531, 0.2185, 0.2754)

Conversions

Conversions Part 1

Format	Color
Hex	44C9F1
RGB	68, 201, 241
RGB Percent	27%, 79%, 95%
CMY	0.7328, 0.2118, 0.0548
CMYK	0.72, 0.17, 0.00, 0.05
HSL	194°, 86%, 61%
HSV	194°, 72%, 95%
XYZ	39.1563, 49.3531, 90.6957
YIQ	165.7930, -92.1080, -15.7560

Conversions

Conversions Part 2

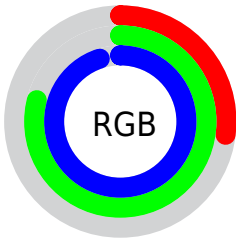
Format	Color
R _{YB}	68, 143, 241
Decimal	4508145
CIE Lab	75.67, -23.09, -30.13
CIE LCh	76, 37.958, 232.533
Yxy	49.3531, 0.2185, 0.2754
Android (android.graphics.Color)	4282698225 (0xFF44C9F1)
YUV	165.7930, 37.0771, -85.7645
Hunter-Lab	70.2518, -23.4498, -27.3678

Details

The Yxy color **49.3531, 0.2185, 0.2754** 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 **29.8830, 0.5234, 0.3662**, and the grayscale version is **37.8979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **24.3702, 0.2060, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **46.1026, 0.2113, 0.2667**, and if you desaturate by 10%, it is **53.0578, 0.2276, 0.2840**.

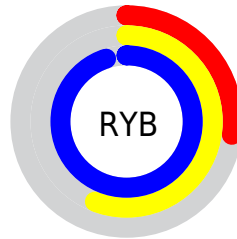
Distribution



Red (27%)

Green (79%)

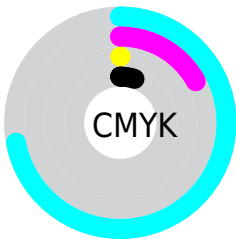
Blue (95%)



Red (27%)

Yellow (56%)

Blue (95%)

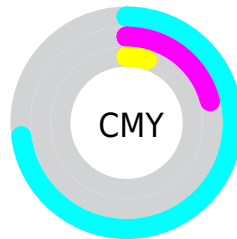


Cyan (72%)

Magenta (17%)

Yellow (0%)

Black (5%)



Cyan (73%)


Magenta (21%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3531, 0.2185, 0.2754 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 49.3531, 0.2185, 0.2754 by changing the saturation by 10% instead.


 49.3531, 0.2185,
0.2754


 49.3531, 0.2185,
0.2754


384.1307, 0.2630,
0.3028


 34.8997, 0.2083,
0.2686


 89.2157, 0.2340,
0.2854


 23.5856, 0.1957,
0.2599


 115.3936, 0.2401,
0.2891

 15.0265, 0.1798,
0.2484


 146.2484, 0.2452,
0.2923

 8.8380, 0.1594,
0.2329

 182.1646, 0.2497,
0.2950

 4.6357, 0.1326,
0.2109

223.5266, 0.2537,
0.2973

 2.0351, 0.0971,
0.1781

270.7186, 0.2572,

 0.6278, 0.0068,

0.2994

0.1296

324.1252, 0.2603,
0.3012

■ 0.0000, 0.0000,
0.0000

■ 49.3531, 0.2185,
0.2754

■ 49.3531, 0.2185,
0.2754

■ 46.1026, 0.2113,
0.2667

■ 53.0578, 0.2276,
0.2840

■ 43.2533, 0.2062,
0.2581

■ 57.2512, 0.2386,
0.2924

■ 41.1400, 0.2031,
0.2511

■ 61.9699, 0.2511,
0.3005

■ 67.2450, 0.2648,
0.3082

■ 73.1050, 0.2794,
0.3154

■ 79.5760, 0.2946,
0.3220

■ 86.6826, 0.3100,
0.3280

■ 93.3014, 0.3216,
0.3335

■ 96.7407, 0.3211,
0.3388

Harmonies

Analogous

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



49.3531, 0.2293, 0.3188



49.3531, 0.2185, 0.2754



49.3531, 0.2299, 0.2511

Triad

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



49.3531, 0.2185, 0.2754



49.3531, 0.3627, 0.2905



49.3531, 0.3595, 0.4233

Complementary

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



49.3531, 0.2185, 0.2754



29.8830, 0.5234, 0.3662

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.



49.3531, 0.3997, 0.4052



49.3531, 0.2185, 0.2754



49.3531, 0.4033, 0.3288

Square

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



49.3531, 0.2185, 0.2754



49.3531, 0.3099, 0.2615



49.3531, 0.4167, 0.3698



49.3531, 0.3087, 0.4120

Rectangle

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



49.3531, 0.2185, 0.2754



49.3531, 0.2491, 0.2463



49.3531, 0.4167, 0.3698



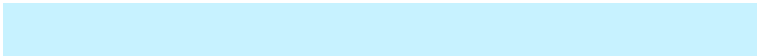
49.3531, 0.3748, 0.4200

Sweetspot

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



49.3549, 0.2185, 0.2754



82.8592, 0.2789, 0.3151



65.1881, 0.2896, 0.5181



17.3344, 0.2749, 0.3132



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.



49.3549, 0.2185, 0.2754



50.8822, 0.2088, 0.2628



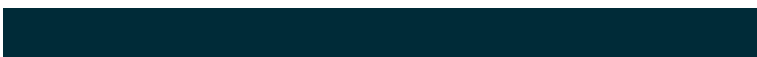
20.3363, 0.1884, 0.1554



17.2722, 0.2981, 0.3234



22.5203, 0.2035, 0.2525



2.0223, 0.2066, 0.2638

Inverse Universe

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



27.0715, 0.3653, 0.2022



26.8741, 0.3789, 0.1929



56.8382, 0.4441, 0.4492



15.9651, 0.3173, 0.3110



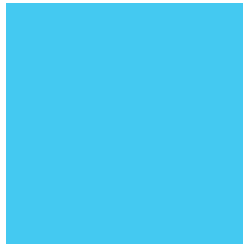
12.0668, 0.3897, 0.1921



1.0189, 0.3788, 0.1860

Previews

White Background



This preview shows how the Yxy color 49.3531, 0.2185, 0.2754 looks on a white background.

Color Contrast Check

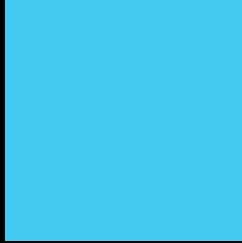
Large Text (above 18pt) WCAG AA × Fail

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 49.3531, 0.2185, 0.2754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

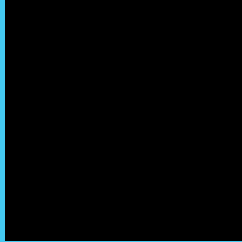
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3531, 0.2185, 0.2754

Background



This preview shows how black text looks on a background with the Yxy color 49.3531, 0.2185, 0.2754.



This preview shows how white text looks on a background with the Yxy color 49.3531, 0.2185, 0.2754.

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

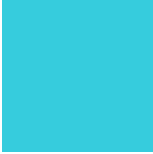
49.3531, 0.2185, 0.2754

Protanopia

48.5824, 0.2740, 0.2738

Deuteranopia

48.5945, 0.2600, 0.2537



Tritanopia

49.1905, 0.2241, 0.3049

Trichromacy



Original Color

49.3531, 0.2185, 0.2754



Protanomaly

47.9443, 0.2469, 0.2735



Deuteranomaly

47.9134, 0.2394, 0.2595



Tritanomaly

49.2431, 0.2221, 0.2943

Monochromacy



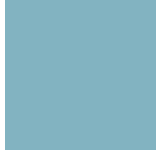
Original Color

49.3531, 0.2185, 0.2754



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.8363, 0.2642, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3531, 0.2185, 0.2754 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(68, 201, 241)` looks like.

```
.text, #text, p{  
    color:rgb(68, 201, 241)  
}
```

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(68, 201, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 201, 241) }
```

Border

The CSS property to change the border of an element to Yxy 49.3531, 0.2185, 0.2754 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(68, 201, 241) }
```

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

```
.border{ border-color:rgb(68, 201, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 201, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 201, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 201, 241);  
box-shadow:4px 4px 4px 4px rgb(68, 201,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3531, 0.2185, 0.2754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 201, 241) }
```

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

```
.background{ background-color: rgb(68, 201,  
241) }
```

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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