

Converting Colors

$Y_{xy}(49.6525, 0.2189, 0.2728)$

Have a look what the booklet for
Yxy(49.6525, 0.2189, 0.2728)
contains.

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Color

Yxy(49.6608, 0.2190, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	49C9F3
RGB	73, 201, 243
RGB Percent	29%, 79%, 95%
CMY	0.7142, 0.2117, 0.0469
CMYK	0.70, 0.17, 0.00, 0.05
HSL	195°, 88%, 62%
HSV	195°, 70%, 95%
XYZ	39.8086, 49.6608, 92.3051
YIQ	167.5160, -89.7700, -14.0740

Conversions

Conversions Part 2

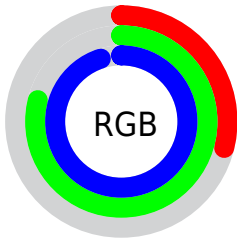
Format	Color
R _Y B	73, 146, 243
Decimal	4835827
CIE Lab	75.86, -21.85, -30.91
CIE LCh	76, 37.852, 234.734
Yxy	49.6608, 0.2190, 0.2732
Android (android.graphics.Color)	4283025907 (0xFF49C9F3)
YUV	167.5160, 37.2136, -82.8905
Hunter-Lab	70.4704, -22.4889, -28.3312

Details

The Yxy color **49.6608, 0.2190, 0.2732** 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 **31.7806, 0.5141, 0.3689**, and the grayscale version is **38.7429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **24.4553, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **46.1489, 0.2113, 0.2639**, and if you desaturate by 10%, it is **53.6560, 0.2287, 0.2824**.

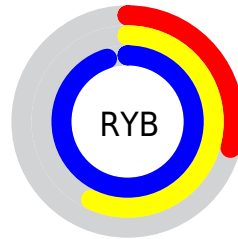
Distribution



Red (29%)

Green (79%)

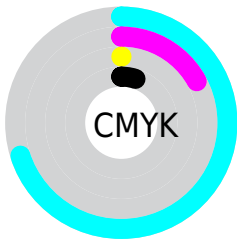
Blue (95%)



Red (29%)

Yellow (57%)

Blue (95%)

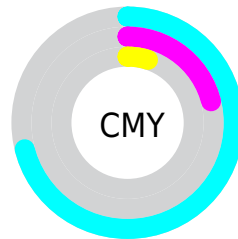


Cyan (70%)

Magenta (17%)

Yellow (0%)

Black (5%)



Cyan (71%)


Magenta (21%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6608, 0.2190, 0.2732 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 49.6608, 0.2190, 0.2732 by changing the saturation by 10% instead.

 49.6608, 0.2190,
0.2732

 49.6608, 0.2190,
0.2732


385.3380, 0.2633,
0.3015


 35.1440, 0.2088,
0.2662


 89.6721, 0.2344,
0.2835


 23.7738, 0.1963,
0.2573


 115.9353, 0.2404,
0.2873

 15.1659, 0.1806,
0.2456


 146.8828, 0.2456,
0.2906

 8.9359, 0.1604,
0.2298

 182.8990, 0.2500,
0.2934

 4.6994, 0.1339,
0.2076

224.3682, 0.2540,
0.2958

 2.0720, 0.0988,
0.1748

271.6748, 0.2574,

 0.6488, 0.0162,

0.2980

0.1266

325.2033, 0.2605,
0.2998

■ 0.0000, 0.0000,
0.0000

■ 49.6608, 0.2190,
0.2732

■ 49.6608, 0.2190,
0.2732

■ 46.1489, 0.2113,
0.2639

■ 53.6560, 0.2287,
0.2824

■ 43.0677, 0.2055,
0.2546

■ 58.1691, 0.2401,
0.2914


■ 40.3430, 0.2015,
0.2455

■ 63.2368, 0.2530,
0.3000


■ 68.8906, 0.2671,
0.3081

■ 75.1593, 0.2819,
0.3157

 82.0694, 0.2972,
0.3227

 89.6459, 0.3127,
0.3290

 95.5017, 0.3201,
0.3348

 99.2529, 0.3197,
0.3405

Harmonies

Analogous

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



49.6608, 0.2281, 0.3152



49.6608, 0.2190, 0.2732



49.6608, 0.2319, 0.2505

Triad

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



49.6608, 0.2190, 0.2732



49.6608, 0.3661, 0.2932



49.6608, 0.3558, 0.4231

Complementary

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



49.6608, 0.2190, 0.2732



31.7806, 0.5141, 0.3689

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.



49.6608, 0.3970, 0.4069



49.6608, 0.2190, 0.2732



49.6608, 0.4048, 0.3318

Square

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



49.6608, 0.2190, 0.2732



49.6608, 0.3138, 0.2635



49.6608, 0.4160, 0.3725



49.6608, 0.3050, 0.4095

Rectangle

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



49.6608, 0.2190, 0.2732



49.6608, 0.2520, 0.2467



49.6608, 0.4160, 0.3725



49.6608, 0.3713, 0.4206

Sweetspot

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



49.6626, 0.2190, 0.2732



83.0699, 0.2803, 0.3149



66.7149, 0.2885, 0.5098



17.3554, 0.2762, 0.3129



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.



49.6626, 0.2190, 0.2732



49.9739, 0.2086, 0.2600



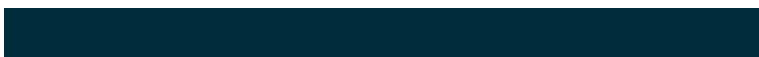
20.9030, 0.1900, 0.1562



18.0239, 0.2980, 0.3230



22.3588, 0.2019, 0.2470



2.1258, 0.2051, 0.2585

Inverse Universe

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



28.0280, 0.3669, 0.2061



27.1009, 0.3813, 0.1961



59.7724, 0.4389, 0.4501



16.6942, 0.3176, 0.3113



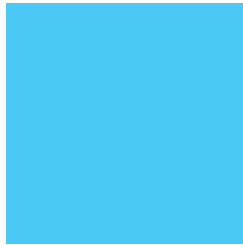
12.3565, 0.3953, 0.1951



1.1022, 0.3839, 0.1888

Previews

White Background



This preview shows how the Yxy color 49.6608, 0.2190, 0.2732 looks on a white background.

Color Contrast Check

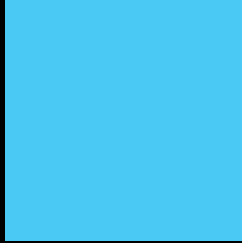
Large Text (above 18pt) WCAG AA × Fail

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 49.6608, 0.2190, 0.2732 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 49.6608, 0.2190, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 49.6608, 0.2190, 0.2732.

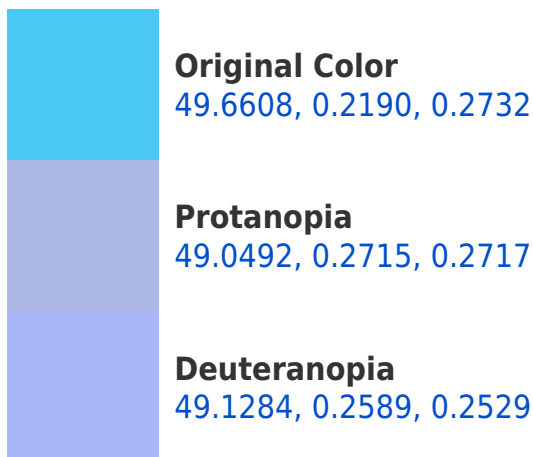


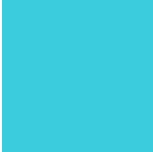
This preview shows how white text looks on a background with the Yxy color 49.6608, 0.2190, 0.2732.

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





Tritanopia

49.8129, 0.2256, 0.3064

Trichromacy



Original Color

49.6608, 0.2190, 0.2732

Protanomaly

48.1434, 0.2464, 0.2713

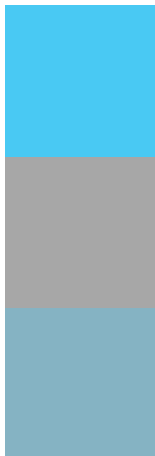
Deuteranomaly

48.6316, 0.2397, 0.2589

Tritanomaly

49.9329, 0.2232, 0.2945

Monochromacy



Original Color

49.6608, 0.2190, 0.2732

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.1669, 0.2650, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6608, 0.2190, 0.2732 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(73, 201, 243)` looks like.

```
.text, #text, p{  
    color:rgb(73, 201, 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(73, 201, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 201, 243) }
```

Border

The CSS property to change the border of an element to Yxy 49.6608, 0.2190, 0.2732 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(73, 201, 243) }
```

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

```
.border{ border-color:rgb(73, 201, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 201, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 201, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 201, 243);  
box-shadow:4px 4px 4px 4px rgb(73, 201,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6608, 0.2190, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 201, 243) }
```

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

```
.background{ background-color: rgb(73, 201,  
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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