

Converting Colors

$Yxy(50.5754, 0.2180, 0.3029)$

Have a look what the booklet for
Yxy(50.5754, 0.2180, 0.3029)
contains.

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Color

Yxy(50.6739, 0.2182, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	0BD0E2
RGB	11, 208, 226
RGB Percent	4%, 82%, 89%
CMY	0.9575, 0.1843, 0.1137
CMYK	0.95, 0.08, 0.00, 0.11
HSL	185°, 91%, 46%
HSV	185°, 95%, 89%
XYZ	36.4198, 50.6739, 79.8164
YIQ	151.1490, -123.1900, -36.1660

Conversions

Conversions Part 2

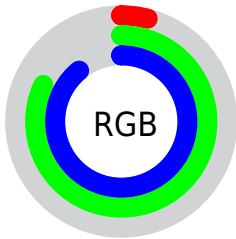
Format	Color
RYB	11, 114, 226
Decimal	774370
CIELab	76.48, -35.46, -20.88
CIELCh	76, 41.153, 210.493
Yxy	50.6739, 0.2182, 0.3036
Android (android.graphics.Color)	4278964450 (0xFF0BD0E2)
YUV	151.1490, 36.9015, -122.9107
Hunter-Lab	71.1856, -33.2511, -16.6486

Details

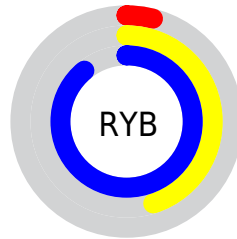
The Yxy color **50.6739, 0.2182, 0.3036** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.0645, 0.6265, 0.3356**, and the grayscale version is **30.8731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **25.7227, 0.2155, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **50.1647, 0.2173, 0.3023**, and if you desaturate by 10%, it is **51.8639, 0.2209, 0.3064**.

Distribution



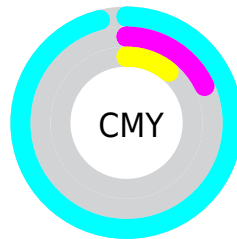
- Red (4%)
- Green (82%)
- Blue (89%)



- Red (4%)
- Yellow (45%)
- Blue (89%)



- Cyan (95%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)




- Cyan (96%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6739, 0.2182, 0.3036 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 50.6739, 0.2182, 0.3036 by changing the saturation by 10% instead.

 50.6739, 0.2182,
0.3036

 50.6739, 0.2182,
0.3036


389.2955, 0.2629,
0.3177


 35.9491, 0.2079,
0.2998


 91.1726, 0.2338,
0.3090

 24.3949, 0.1951,
0.2947


 117.7153, 0.2399,
0.3109


 15.6268, 0.1791,
0.2878


 148.9661, 0.2451,
0.3125

 9.2605, 0.1583,
0.2778

 185.3094, 0.2496,
0.3139

 4.9115, 0.1308,
0.2625

 227.1296, 0.2535,
0.3150

 2.1954, 0.0939,
0.2373

274.8111, 0.2570,

 0.7175, 0.0000,

0.3160

0.1990

328.7382, 0.2601,
0.3169

0.0000, 0.0000,
0.0000

50.6739, 0.2182,
0.3036

50.6739, 0.2182,
0.3036

50.1647, 0.2173,
0.3023

51.8639, 0.2209,
0.3064

53.3138, 0.2254,
0.3093

55.0684, 0.2318,
0.3122

57.1629, 0.2401,
0.3151

59.6275, 0.2503,
0.3179

■ 62.4889, 0.2621,
0.3206

■ 65.7714, 0.2753,
0.3232

■ 69.4972, 0.2896,
0.3257

■ 73.6869, 0.3047,
0.3279

Harmonies

Analogous

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



50.6739, 0.2464, 0.3595



50.6739, 0.2182, 0.3036



50.6739, 0.2132, 0.2623

Triad

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



50.6739, 0.2182, 0.3036



50.6739, 0.3247, 0.2639



50.6739, 0.3962, 0.4180

Complementary

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



50.6739, 0.2182, 0.3036



17.0645, 0.6265, 0.3356

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.



50.6739, 0.4225, 0.3831



50.6739, 0.2182, 0.3036



50.6739, 0.3801, 0.2978

Square

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



50.6739, 0.2182, 0.3036



50.6739, 0.2704, 0.2441



50.6739, 0.4172, 0.3399



50.6739, 0.3485, 0.4309

Rectangle

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



50.6739, 0.2182, 0.3036



50.6739, 0.2227, 0.2468



50.6739, 0.4172, 0.3399



50.6739, 0.4080, 0.4080

Sweetspot

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



50.6757, 0.2182, 0.3036



84.6858, 0.2699, 0.3222



54.5536, 0.2984, 0.5908



17.7356, 0.2643, 0.3211



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.



50.6757, 0.2182, 0.3036



65.8761, 0.2173, 0.3021



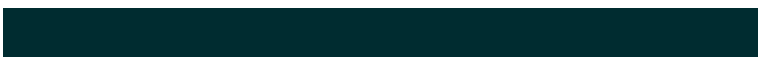
14.7706, 0.1725, 0.1379



15.3659, 0.2982, 0.3270



28.7028, 0.2174, 0.3027



2.0482, 0.2186, 0.3071

Inverse Universe

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



20.9598, 0.3422, 0.1673



27.1814, 0.3436, 0.1666



33.9017, 0.5104, 0.4296



13.9148, 0.3151, 0.3078



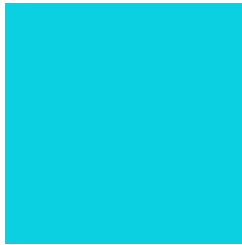
11.8056, 0.3430, 0.1663



0.8242, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 50.6739, 0.2182, 0.3036 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 50.6739, 0.2182, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

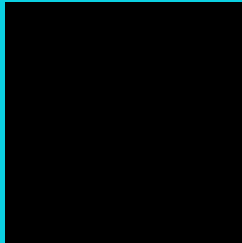
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6739, 0.2182, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 50.6739, 0.2182, 0.3036.



This preview shows how white text looks on a background with the Yxy color 50.6739, 0.2182, 0.3036.

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

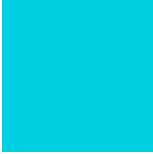
50.6739, 0.2182, 0.3036

Protanopia

49.8882, 0.2918, 0.2980

Deuteranopia

49.7604, 0.2773, 0.2704



Tritanopia

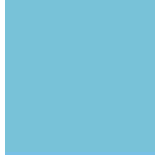
50.5480, 0.2180, 0.3049

Trichromacy



Original Color

50.6739, 0.2182, 0.3036



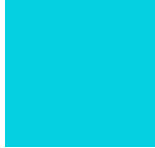
Protanomaly

47.5345, 0.2480, 0.2989



Deuteranomaly

47.4055, 0.2403, 0.2786



Tritanomaly

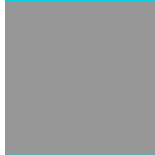
50.5738, 0.2182, 0.3049

Monochromacy



Original Color

50.6739, 0.2182, 0.3036



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.4287, 0.2528, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6739, 0.2182, 0.3036 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(11, 208, 226)` looks like.

```
.text, #text, p{  
    color:rgb(11, 208, 226)  
}
```

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(11, 208, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 208, 226) }
```

Border

The CSS property to change the border of an element to Yxy 50.6739, 0.2182, 0.3036 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(11, 208, 226) }
```

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

```
.border{ border-color:rgb(11, 208, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 208, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 208, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 208, 226);  
box-shadow:4px 4px 4px 4px rgb(11, 208,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6739, 0.2182, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 208, 226) }
```

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

```
.background{ background-color: rgb(11, 208,  
226) }
```

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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