

Converting Colors

$Y_{xy}(45.4069, 0.2102, 0.3080)$

Have a look what the booklet for
Yxy(45.4069, 0.2102, 0.3080)
contains.

Yxy(46.6283, 0.2194, 0.3098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6283, 0.2194, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	00C9D6
RGB	0, 201, 214
RGB Percent	0%, 79%, 84%
CMY	0.9996, 0.2117, 0.1609
CMYK	1.00, 0.06, 0.00, 0.16
HSL	184°, 100%, 42%
HSV	184°, 100%, 84%
XYZ	33.0221, 46.6283, 70.8606
YIQ	142.3830, -123.9690, -38.5690

Conversions

Conversions Part 2

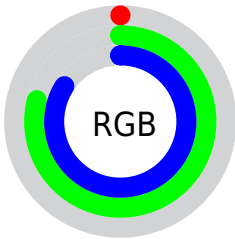
Format	Color
RYB	0, 104, 214
Decimal	51670
CIELab	73.95, -36.22, -18.23
CIELCh	74, 40.550, 206.716
Yxy	46.6283, 0.2194, 0.3098
Android (android.graphics.Color)	4278241750 (0xFF00C9D6)
YUV	142.3830, 35.3072, -124.8699
Hunter-Lab	68.2849, -33.1773, -13.7269

Details

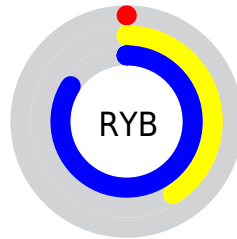
The Yxy color **46.6283, 0.2194, 0.3098** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.5826, 0.6363, 0.3329**, and the grayscale version is **27.1177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.0610, 0.2177, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **46.6262, 0.2194, 0.3098**, and if you desaturate by 10%, it is **47.4020, 0.2213, 0.3118**.

Distribution



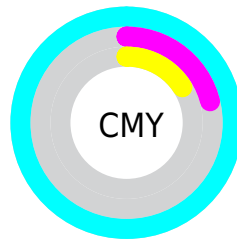
- Red (0%)
- Green (79%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6283, 0.2194, 0.3098 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 46.6283, 0.2194, 0.3098 by changing the saturation by 10% instead.


 46.6283, 0.2194,
0.3098


 46.6283, 0.2194,
0.3098


373.3289, 0.2643,
0.3210


 32.7419, 0.2088,
0.3066


 85.1585, 0.2352,
0.3142


 21.9288, 0.1957,
0.3023


 110.5711, 0.2413,
0.3157


 13.8046, 0.1789,
0.2961

 140.5946, 0.2465,
0.3170

 7.9849, 0.1570,
0.2870

 175.6134, 0.2511,
0.3181

 4.0853, 0.1275,
0.2725

 216.0118, 0.2550,
0.3190

 1.7214, 0.0840,
0.2478

262.1743, 0.2585,

 0.4374, 0.0000,

0.3197

0.1807

314.4852, 0.2615,
0.3204

■ 0.0000, 0.0000,
0.0000

■ 46.6283, 0.2194,
0.3098

■ 46.6283, 0.2194,
0.3098

■ 46.6262, 0.2194,
0.3098

■ 47.4020, 0.2213,
0.3118

■ 48.3612, 0.2247,
0.3138

■ 49.5678, 0.2299,
0.3159

■ 51.0549, 0.2371,
0.3180

■ 52.8507, 0.2461,
0.3200

■ 54.9799, 0.2569,
0.3220

■ 57.4647, 0.2692,
0.3239

■ 60.3251, 0.2829,
0.3257

■ 63.5800, 0.2975,
0.3274

Harmonies

Analogous

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



46.6283, 0.2507, 0.3672



46.6283, 0.2194, 0.3098



46.6283, 0.2114, 0.2655

Triad

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



46.6283, 0.2194, 0.3098



46.6283, 0.3174, 0.2597



46.6283, 0.4020, 0.4154

Complementary

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



46.6283, 0.2194, 0.3098



14.5826, 0.6363, 0.3329

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.



46.6283, 0.4251, 0.3783



46.6283, 0.2194, 0.3098



46.6283, 0.3745, 0.2925

Square

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



46.6283, 0.2194, 0.3098



46.6283, 0.2638, 0.2419



46.6283, 0.4155, 0.3344



46.6283, 0.3557, 0.4324

Rectangle

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



46.6283, 0.2194, 0.3098



46.6283, 0.2191, 0.2479



46.6283, 0.4155, 0.3344



46.6283, 0.4129, 0.4046

Sweetspot

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



46.6300, 0.2194, 0.3098



85.3397, 0.2688, 0.3239



48.1050, 0.2993, 0.5973



17.9168, 0.2634, 0.3231



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.



46.6300, 0.2194, 0.3098



69.2666, 0.2193, 0.3096



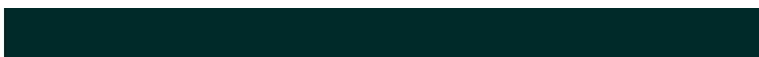
13.2841, 0.1722, 0.1399



13.9728, 0.2983, 0.3275



28.2458, 0.2195, 0.3101



1.7436, 0.2204, 0.3136

Inverse Universe

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



18.5121, 0.3369, 0.1630



27.5237, 0.3371, 0.1630



27.1874, 0.5273, 0.4195



12.6191, 0.3147, 0.3074



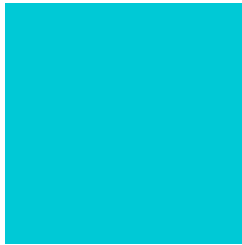
11.1963, 0.3366, 0.1628



0.6793, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 46.6283, 0.2194, 0.3098 looks on a white background.

Color Contrast Check

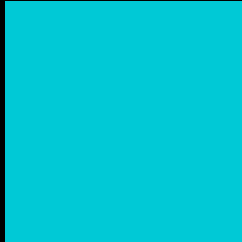
Large Text (above 18pt) WCAG AA × Fail

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 46.6283, 0.2194, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

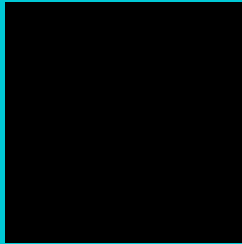
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6283, 0.2194, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 46.6283, 0.2194, 0.3098.



This preview shows how white text looks on a background with the Yxy color 46.6283, 0.2194, 0.3098.

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

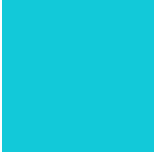
46.6283, 0.2194, 0.3098

Protanopia

45.8753, 0.2956, 0.3020

Deuteranopia

46.0237, 0.2818, 0.2767



Tritanopia

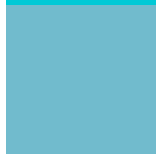
46.9116, 0.2193, 0.3056

Trichromacy



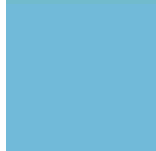
Original Color

46.6283, 0.2194, 0.3098



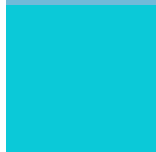
Protanomaly

43.4591, 0.2484, 0.3032



Deuteranomaly

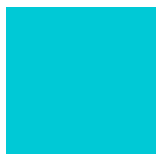
43.6383, 0.2417, 0.2859



Tritanomaly

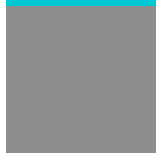
46.8023, 0.2192, 0.3070

Monochromacy



Original Color

46.6283, 0.2194, 0.3098



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.1952, 0.2504, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6283, 0.2194, 0.3098 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(0, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 214)  
}
```

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(0, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 214) }
```

Border

The CSS property to change the border of an element to Yxy 46.6283, 0.2194, 0.3098 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(0, 201, 214) }
```

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

```
.border{ border-color:rgb(0, 201, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6283, 0.2194, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 214) }
```

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

```
.background{ background-color: rgb(0, 201,  
214) }
```

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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