

Converting Colors

$Y_{xy}(47.8488, 0.2161, 0.3109)$

Have a look what the booklet for
Yxy(47.8488, 0.2161, 0.3109)
contains.

Yxy(48.1955, 0.2195, 0.3100)	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(48.1955, 0.2195, 0.3100)

Conversions

Conversions Part 1

Format	Color
Hex	01CCD9
RGB	1, 204, 217
RGB Percent	0%, 80%, 85%
CMY	0.9962, 0.2000, 0.1490
CMYK	1.00, 0.06, 0.00, 0.15
HSL	184°, 99%, 43%
HSV	184°, 100%, 85%
XYZ	34.1255, 48.1955, 73.1483
YIQ	144.7850, -125.1610, -38.9930

Conversions

Conversions Part 2

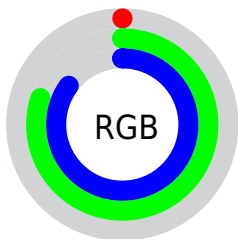
Format	Color
RYB	1, 106, 217
Decimal	117977
CIELab	74.95, -36.65, -18.36
CIELCh	75, 40.986, 206.608
Yxy	48.1955, 0.2195, 0.3100
Android (android.graphics.Color)	4278308057 (0xFF01CCD9)
YUV	144.7850, 35.6020, -126.0994
Hunter-Lab	69.4230, -33.7468, -13.8755

Details

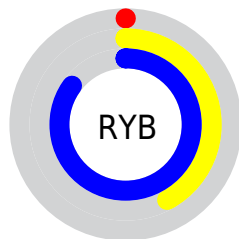
The Yxy color **48.1955, 0.2195, 0.3100** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.0671, 0.6358, 0.3329**, and the grayscale version is **28.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **24.1035, 0.2178, 0.3040** is the 20% darker color. If you saturate the color by 10%, you get **48.1634, 0.2194, 0.3099**, and if you desaturate by 10%, it is **48.9930, 0.2214, 0.3120**.

Distribution



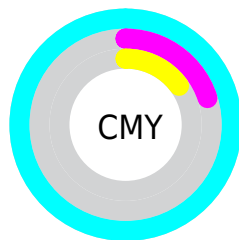
- Red (0%)
- Green (80%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1955, 0.2195, 0.3100 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 48.1955, 0.2195, 0.3100 by changing the saturation by 10% instead.


 48.1955, 0.2195,
0.3100


 48.1955, 0.2195,
0.3100

379.5665, 0.2641,
0.3210

 33.9817, 0.2091,
0.3069


 87.4954, 0.2352,
0.3143


 22.8796, 0.1961,
0.3026


 113.3503, 0.2412,
0.3158

 14.5046, 0.1797,
0.2967


 143.8545, 0.2464,
0.3171

 8.4725, 0.1582,
0.2879

 179.3921, 0.2509,
0.3181

 4.3987, 0.1295,
0.2739

 220.3478, 0.2548,
0.3190

 1.8990, 0.0893,
0.2500

267.1058, 0.2583,

 0.5478, 0.0000,

0.3198

0.1993

320.0506, 0.2613,
0.3204

■ 0.0000, 0.0000,
0.0000

■ 48.1955, 0.2195,
0.3100

■ 48.1955, 0.2195,
0.3100

■ 48.1634, 0.2194,
0.3099

■ 48.9930, 0.2214,
0.3120

■ 49.9873, 0.2249,
0.3140

■ 51.2385, 0.2301,
0.3161

■ 52.7806, 0.2373,
0.3181

■ 54.6429, 0.2464,
0.3201

■ 56.8506, 0.2573,
0.3221

■ 59.4265, 0.2697,
0.3240

■ 62.3916, 0.2834,
0.3258

■ 65.7651, 0.2981,
0.3275

Harmonies

Analogous

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



48.1955, 0.2509, 0.3674



48.1955, 0.2195, 0.3100



48.1955, 0.2114, 0.2657

Triad

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



48.1955, 0.2195, 0.3100



48.1955, 0.3172, 0.2597



48.1955, 0.4021, 0.4153

Complementary

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



48.1955, 0.2195, 0.3100



15.0671, 0.6358, 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.



48.1955, 0.4251, 0.3782



48.1955, 0.2195, 0.3100



48.1955, 0.3743, 0.2924

Square

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



48.1955, 0.2195, 0.3100



48.1955, 0.2637, 0.2418



48.1955, 0.4153, 0.3342



48.1955, 0.3558, 0.4323

Rectangle

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



48.1955, 0.2195, 0.3100



48.1955, 0.2190, 0.2480



48.1955, 0.4153, 0.3342



48.1955, 0.4130, 0.4044

Sweetspot

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



48.1973, 0.2195, 0.3100



85.3603, 0.2688, 0.3239



49.6576, 0.2993, 0.5971



17.9218, 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.



48.1973, 0.2195, 0.3100



69.3314, 0.2194, 0.3097



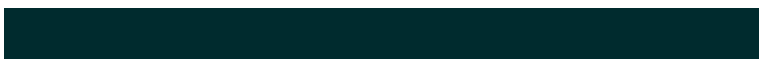
13.7851, 0.1725, 0.1405



14.6882, 0.2982, 0.3275



29.2123, 0.2195, 0.3102



1.9341, 0.2204, 0.3135

Inverse Universe

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



19.1317, 0.3367, 0.1630



27.5302, 0.3369, 0.1630



28.1347, 0.5267, 0.4197



13.2606, 0.3147, 0.3073



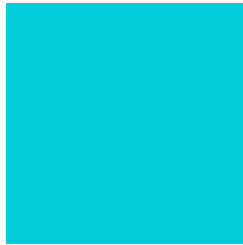
11.5728, 0.3365, 0.1628



0.7539, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 48.1955, 0.2195, 0.3100 looks on a white background.

Color Contrast Check

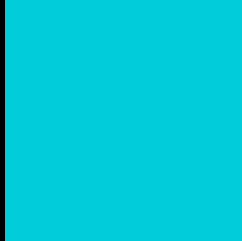
Large Text (above 18pt) WCAG AA × Fail

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 48.1955, 0.2195, 0.3100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

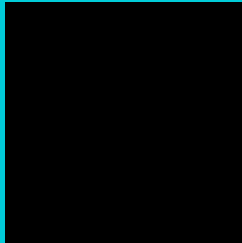
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1955, 0.2195, 0.3100

Background



This preview shows how black text looks on a background with the Yxy color 48.1955, 0.2195, 0.3100.



This preview shows how white text looks on a background with the Yxy color 48.1955, 0.2195, 0.3100.

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

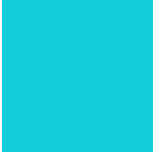
48.2019, 0.2195, 0.3100

Protanopia

47.5915, 0.2959, 0.3024

Deuteranopia

47.3917, 0.2815, 0.2751



Tritanopia

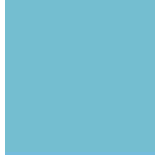
48.4915, 0.2194, 0.3059

Trichromacy



Original Color

48.2019, 0.2195, 0.3100



Protanomaly

45.0940, 0.2491, 0.3036



Deuteranomaly

44.8999, 0.2417, 0.2838



Tritanomaly

48.3784, 0.2193, 0.3073

Monochromacy



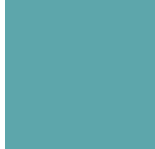
Original Color

48.2019, 0.2195, 0.3100



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.5399, 0.2512, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1955, 0.2195, 0.3100 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(1, 204, 217)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 217)  
}
```

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(1, 204, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 217) }
```

Border

The CSS property to change the border of an element to Yxy 48.1955, 0.2195, 0.3100 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(1, 204, 217) }
```

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

```
.border{ border-color:rgb(1, 204, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 217);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1955, 0.2195, 0.3100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 217) }
```

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

```
.background{ background-color: rgb(1, 204,  
217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor