

Converting Colors

$Y_{xy}(48.3191, 0.2288, 0.3244)$

Have a look what the booklet for
Yxy(48.3191, 0.2288, 0.3244)
contains.

Yxy(48.3191, 0.2288, 0.3244)	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(48.3191, 0.2288, 0.3244)

Conversions

Conversions Part 1

Format	Color
Hex	30CCCF
RGB	48, 204, 207
RGB Percent	19%, 80%, 81%
CMY	0.8109, 0.2000, 0.1883
CMYK	0.77, 0.01, 0.00, 0.19
HSL	181°, 62%, 50%
HSV	181°, 77%, 81%
XYZ	34.0796, 48.3191, 66.5505
YIQ	157.6980, -93.9390, -32.1390

Conversions

Conversions Part 2

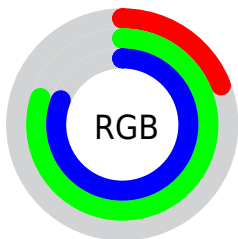
Format	Color
RYB	48, 127, 207
Decimal	3198159
CIELab	75.03, -37.14, -12.79
CIELCh	75, 39.280, 199.002
Yxy	48.3191, 0.2288, 0.3244
Android (android.graphics.Color)	4281388239 (0xFF30CCCF)
YUV	157.6980, 24.3059, -96.2051
Hunter-Lab	69.5119, -34.1328, -8.1057

Details

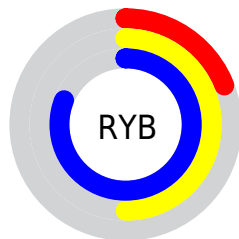
The Yxy color **48.3191, 0.2288, 0.3244** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.8635, 0.5750, 0.3322**, and the grayscale version is **33.9956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **23.7948, 0.2225, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **47.7424, 0.2253, 0.3238**, and if you desaturate by 10%, it is **49.1348, 0.2341, 0.3250**.

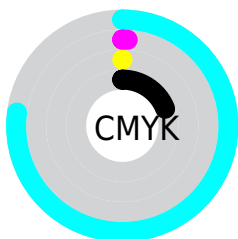
Distribution



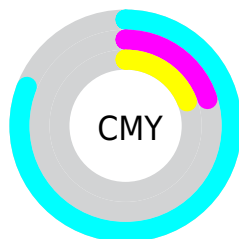
- Red (19%)
- Green (80%)
- Blue (81%)



- Red (19%)
- Yellow (50%)
- Blue (81%)



- Cyan (77%)
- Magenta (1%)
- Yellow (0%)
- Black (19%)





- Cyan (81%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3191, 0.2288, 0.3244 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 48.3191, 0.2288, 0.3244 by changing the saturation by 10% instead.


 48.3191, 0.2288,
0.3244


 48.3191, 0.2288,
0.3244


380.0556, 0.2693,
0.3279


 34.0797, 0.2192,
0.3232


 87.6793, 0.2431,
0.3260


 22.9548, 0.2072,
0.3214

 113.5689, 0.2486,
0.3265

 14.5601, 0.1918,
0.3187


 144.1106, 0.2533,
0.3269

 8.5113, 0.1715,
0.3143

 179.6889, 0.2574,
0.3272

 4.4238, 0.1437,
0.3066

 220.6882, 0.2609,
0.3274

 1.9133, 0.1029,
0.2921

267.4928, 0.2640,

 0.5564, 0.0000,

0.3276

0.2574

320.4871, 0.2668,
0.3278

■ 0.0000, 0.0000,
0.0000

■ 48.3191, 0.2288,
0.3244

■ 48.3191, 0.2288,
0.3244

■ 47.7424, 0.2253,
0.3238

■ 49.1348, 0.2341,
0.3250

■ 47.3618, 0.2235,
0.3232

■ 50.2129, 0.2414,
0.3257

■ 47.2571, 0.2231,
0.3230

■ 51.5799, 0.2505,
0.3263

■ 53.2578, 0.2614,
0.3269

■ 55.2663, 0.2739,
0.3275

■ 57.6234, 0.2876,
0.3281

■ 60.3462, 0.3024,
0.3287

■ 63.4501, 0.3179,
0.3292

■ 66.9501, 0.3338,
0.3296

Harmonies

Analogous

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



48.3191, 0.2643, 0.3792



48.3191, 0.2288, 0.3244



48.3191, 0.2150, 0.2774

Triad

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



48.3191, 0.2288, 0.3244



48.3191, 0.3032, 0.2564



48.3191, 0.4067, 0.4043

Complementary

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



48.3191, 0.2288, 0.3244



15.8635, 0.5750, 0.3322

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.



48.3191, 0.4212, 0.3661



48.3191, 0.2288, 0.3244



48.3191, 0.3586, 0.2848

Square

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



48.3191, 0.2288, 0.3244



48.3191, 0.2549, 0.2436



48.3191, 0.4034, 0.3236



48.3191, 0.3670, 0.4265

Rectangle

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



48.3191, 0.2288, 0.3244



48.3191, 0.2186, 0.2567



48.3191, 0.4034, 0.3236



48.3191, 0.4149, 0.3927

Sweetspot

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



48.3209, 0.2288, 0.3244



89.8203, 0.2785, 0.3277



45.4891, 0.3007, 0.5669



18.9447, 0.2736, 0.3275



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.



48.3209, 0.2288, 0.3244



76.1072, 0.2240, 0.3234



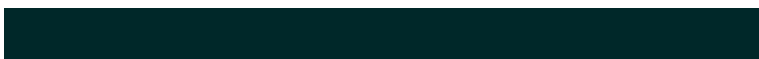
19.7928, 0.1954, 0.1952



13.3673, 0.2983, 0.3285



29.7961, 0.2231, 0.3231



1.6784, 0.2234, 0.3242

Inverse Universe

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



19.7537, 0.3238, 0.1697



28.7133, 0.3252, 0.1587



29.5085, 0.4863, 0.4186



12.0051, 0.3141, 0.3065



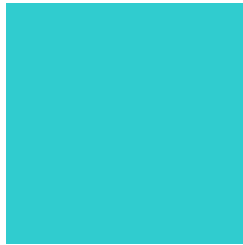
11.0792, 0.3256, 0.1568



0.6207, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 48.3191, 0.2288, 0.3244 looks on a white background.

Color Contrast Check

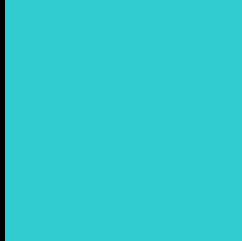
Large Text (above 18pt) WCAG AA × Fail

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 48.3191, 0.2288, 0.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

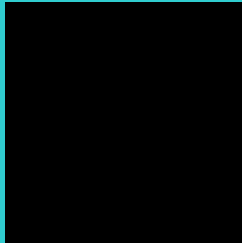
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

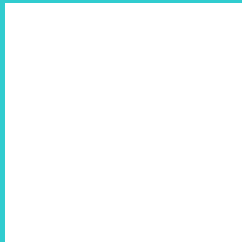
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3191, 0.2288, 0.3244

Background



This preview shows how black text looks on a background with the Yxy color 48.3191, 0.2288, 0.3244.



This preview shows how white text looks on a background with the Yxy color 48.3191, 0.2288, 0.3244.

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

48.3191, 0.2288, 0.3244

Protanopia

47.3734, 0.3050, 0.3149

Deuteranopia

47.6091, 0.2932, 0.2871



Tritanopia

48.2254, 0.2249, 0.3047

Trichromacy



Original Color

48.3191, 0.2288, 0.3244



Protanomaly

45.9725, 0.2657, 0.3177



Deuteranomaly

45.9880, 0.2594, 0.2978



Tritanomaly

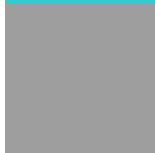
48.4024, 0.2263, 0.3116

Monochromacy



Original Color

48.3191, 0.2288, 0.3244



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.6461, 0.2664, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3191, 0.2288, 0.3244 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(48, 204, 207)` looks like.

```
.text, #text, p{  
    color:rgb(48, 204, 207)  
}
```

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(48, 204, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 204, 207) }
```

Border

The CSS property to change the border of an element to Yxy 48.3191, 0.2288, 0.3244 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(48, 204, 207) }
```

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

```
.border{ border-color:rgb(48, 204, 207) }
```

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

Here you see how a box with a 4 pixel rgb(48, 204, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 204, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 204, 207);  
box-shadow:4px 4px 4px 4px rgb(48, 204,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3191, 0.2288, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 204, 207) }
```

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

```
.background{ background-color: rgb(48, 204,  
207) }
```

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