

Converting Colors

$Yxy(48.6039, 0.2364, 0.3288)$

Have a look what the booklet for
Yxy(48.6039, 0.2364, 0.3288)
contains.

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Color

Yxy(48.4014, 0.2364, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	48CBCB
RGB	72, 203, 203
RGB Percent	28%, 80%, 80%
CMY	0.7182, 0.2039, 0.2039
CMYK	0.65, 0.00, 0.00, 0.20
HSL	180°, 56%, 54%
HSV	180°, 65%, 80%
XYZ	34.7995, 48.4014, 64.0053
YIQ	163.8310, -78.0760, -27.7720

Conversions

Conversions Part 2

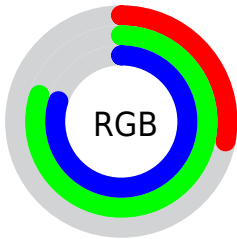
Format	Color
RYB	72, 138, 203
Decimal	4770763
CIELab	75.08, -34.88, -10.51
CIELCh	75, 36.427, 196.767
Yxy	48.4014, 0.2364, 0.3288
Android (android.graphics.Color)	4282960843 (0xFF48CBCB)
YUV	163.8310, 19.3103, -80.5358
Hunter-Lab	69.5711, -32.4636, -5.8469

Details

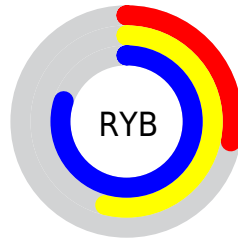
The Yxy color **48.4014, 0.2364, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.7822, 0.5210, 0.3296**, and the grayscale version is **36.9578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **23.3497, 0.2241, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **47.7491, 0.2309, 0.3288**, and if you desaturate by 10%, it is **49.3147, 0.2438, 0.3288**.

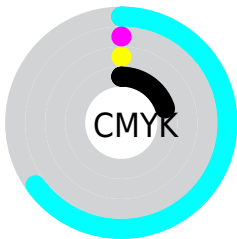
Distribution



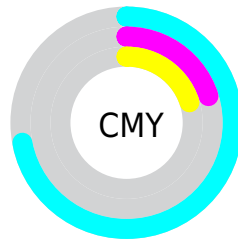
- Red (28%)
- Green (80%)
- Blue (80%)



- Red (28%)
- Yellow (54%)
- Blue (80%)



- Cyan (65%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (72%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4014, 0.2364, 0.3288 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 48.4014, 0.2364, 0.3288 by changing the saturation by 10% instead.


 48.4014, 0.2364,
0.3288

 48.4014, 0.2364,
0.3288


380.3810, 0.2734,
0.3299


 34.1449, 0.2276,
0.3282


 87.8017, 0.2495,
0.3294

 23.0049, 0.2165,
0.3273

 113.7144, 0.2546,
0.3296

 14.5971, 0.2022,
0.3258


 144.2811, 0.2589,
0.3297

 8.5371, 0.1831,
0.3233

 179.8864, 0.2626,
0.3298

 4.4405, 0.1567,
0.3184

220.9147, 0.2658,
0.3298

 1.9229, 0.1178,
0.3081

267.7502, 0.2686,

 0.5621, 0.0000,

0.3299

0.2866

320.7776, 0.2711,
0.3299

0.0000, 0.0000,
0.0000

48.4014, 0.2364,
0.3288

48.4014, 0.2364,
0.3288

47.7491, 0.2309,
0.3288

49.3147, 0.2438,
0.3288

47.3258, 0.2273,
0.3288

50.5065, 0.2532,
0.3288

47.1012, 0.2253,
0.3288

51.9989, 0.2642,
0.3289

47.0303, 0.2247,
0.3288

53.8104, 0.2768,
0.3289

55.9581, 0.2907,
0.3289

■ 58.4577, 0.3056,
0.3290

■ 61.3240, 0.3212,
0.3290

■ 64.5710, 0.3372,
0.3291

■ 68.2120, 0.3533,
0.3291

Harmonies

Analogous

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



48.4014, 0.2710, 0.3788



48.4014, 0.2364, 0.3288



48.4014, 0.2217, 0.2841

Triad

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



48.4014, 0.2364, 0.3288



48.4014, 0.3003, 0.2597



48.4014, 0.4021, 0.3972

Complementary

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



48.4014, 0.2364, 0.3288



17.7822, 0.5210, 0.3296

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.



48.4014, 0.4131, 0.3612



48.4014, 0.2364, 0.3288



48.4014, 0.3516, 0.2854

Square

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



48.4014, 0.2364, 0.3288



48.4014, 0.2562, 0.2490



48.4014, 0.3943, 0.3214



48.4014, 0.3668, 0.4186

Rectangle

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



48.4014, 0.2364, 0.3288



48.4014, 0.2240, 0.2636



48.4014, 0.3943, 0.3214



48.4014, 0.4089, 0.3862

Sweetspot

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



48.4032, 0.2364, 0.3288



91.9402, 0.2841, 0.3289



44.6430, 0.3040, 0.5354



19.4599, 0.2801, 0.3289



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.



48.4032, 0.2364, 0.3288



79.5818, 0.2291, 0.3288



24.3319, 0.2126, 0.2272



12.7270, 0.2984, 0.3290



29.9248, 0.2247, 0.3288



1.5438, 0.2247, 0.3288

Inverse Universe

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



17.7822, 0.5210, 0.3296



24.3848, 0.5866, 0.3298



30.5636, 0.4584, 0.4062



11.2137, 0.3290, 0.3290



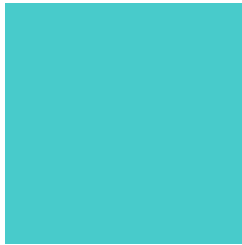
8.0800, 0.6401, 0.3300



0.4168, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 48.4014, 0.2364, 0.3288 looks on a white background.

Color Contrast Check

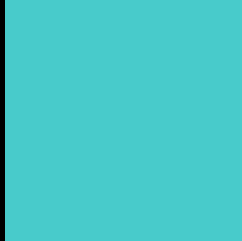
Large Text (above 18pt) WCAG AA × Fail

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 48.4014, 0.2364, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

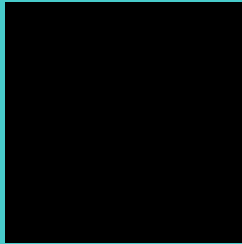
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

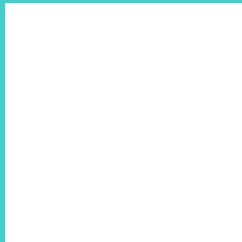
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4014, 0.2364, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 48.4014, 0.2364, 0.3288.

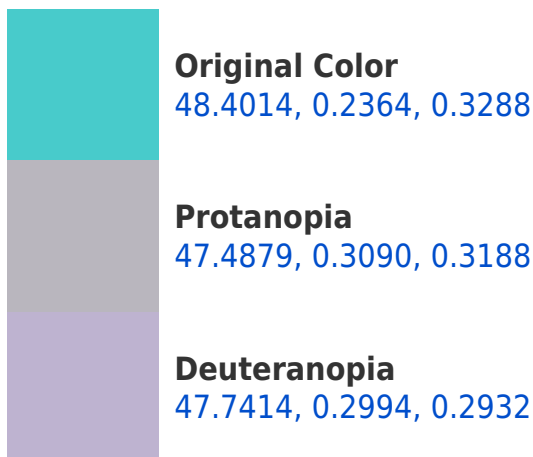


This preview shows how white text looks on a background with the Yxy color 48.4014, 0.2364, 0.3288.

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

48.4453, 0.2317, 0.3063

Trichromacy



Original Color

48.4014, 0.2364, 0.3288



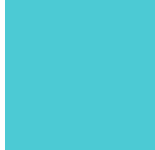
Protanomaly

46.6963, 0.2742, 0.3220



Deuteranomaly

46.6257, 0.2690, 0.3047



Tritanomaly

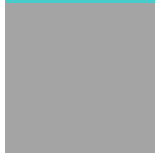
48.5310, 0.2333, 0.3146

Monochromacy



Original Color

48.4014, 0.2364, 0.3288



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.8010, 0.2740, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4014, 0.2364, 0.3288 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(72, 203, 203)` looks like.

```
.text, #text, p{  
  color:rgb(72, 203, 203)  
}
```

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(72, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 203, 203) }
```

Border

The CSS property to change the border of an element to Yxy 48.4014, 0.2364, 0.3288 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(72, 203, 203) }
```

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

```
.border{ border-color:rgb(72, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(72, 203,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4014, 0.2364, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 203, 203) }
```

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

```
.background{ background-color: rgb(72, 203,  
203) }
```

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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