

Converting Colors

$Yxy(48.7667, 0.2297, 0.3063)$

Have a look what the booklet for
Yxy(48.7667, 0.2297, 0.3063)
contains.

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Color

Yxy(48.7195, 0.2296, 0.3063)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 49CADA |
| RGB | 73, 202, 218 |
| RGB Percent | 29%, 79%, 85% |
| CMY | 0.7140, 0.2078, 0.1450 |
| CMYK | 0.67, 0.07, 0.00, 0.15 |
| HSL | 187°, 66%, 57% |
| HSV | 187°, 67%, 85% |
| XYZ | 36.5197, 48.7195, 73.8189 |
| YIQ | 165.2530, -82.0200, -22.3720 |

Conversions

Conversions Part 2

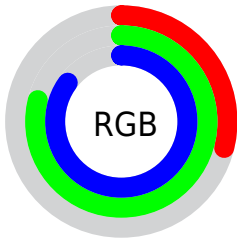
| Format | Color |
|-------------------------------------|---|
| RYB | 73, 141, 218 |
| Decimal | 4836058 |
| CIELab | 75.28, -29.94, -18.32 |
| CIELCh | 75, 35.100, 211.471 |
| Yxy | 48.7195, 0.2296, 0.3063 |
| Android (android.graphics.Color) | 4283026138 (0xFF49CADA) |
| YUV | 165.2530, 26.0043, -80.9059 |
| Hunter-Lab | 69.7994, -28.7558, -13.8448 |

Details

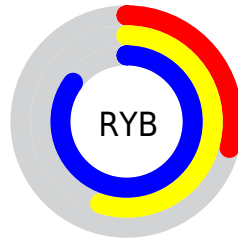
The Yxy color **48.7195, 0.2296, 0.3063** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5209, 0.5177, 0.3461**, and the grayscale version is **37.6481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **23.8242, 0.2167, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **46.8948, 0.2231, 0.3024**, and if you desaturate by 10%, it is **50.8636, 0.2380, 0.3101**.

Distribution



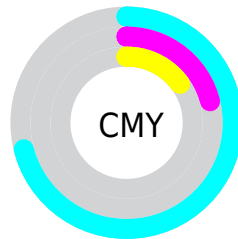
- Red (29%)
- Green (79%)
- Blue (85%)



- Red (29%)
- Yellow (55%)
- Blue (85%)



- Cyan (67%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (71%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7195, 0.2296, 0.3063 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 48.7195, 0.2296, 0.3063 by changing the saturation by 10% instead.


 48.7195, 0.2296,
0.3063

 48.7195, 0.2296,
0.3063

381.6370, 0.2695,
0.3188


 34.3970, 0.2202,
0.3029


 88.2747, 0.2437,
0.3110

 23.1988, 0.2085,
0.2984


 114.2762, 0.2491,
0.3128

 14.7403, 0.1936,
0.2922


 144.9395, 0.2537,
0.3142

 8.6374, 0.1740,
0.2833

 180.6491, 0.2577,
0.3154

 4.5054, 0.1473,
0.2694

221.7892, 0.2612,
0.3164

 1.9601, 0.1100,
0.2459

268.7443, 0.2643,

 0.5841, 0.0000,

0.3173

0.2050

321.8988, 0.2670,
0.3181

■ 0.0000, 0.0000,
0.0000

■ 48.7195, 0.2296,
0.3063

■ 48.7195, 0.2296,
0.3063

■ 46.8948, 0.2231,
0.3024

■ 50.8636, 0.2380,
0.3101

■ 45.3512, 0.2185,
0.2986

■ 53.3499, 0.2483,
0.3139


■ 44.0487, 0.2156,
0.2948

■ 56.2051, 0.2601,
0.3175

■ 43.6302, 0.2149,
0.2935


■ 59.4516, 0.2733,
0.3210

■ 63.1101, 0.2876,
0.3242

 67.1998, 0.3026,
0.3272

 71.7385, 0.3181,
0.3299

 76.7432, 0.3337,
0.3324

 79.4494, 0.3390,
0.3347

Harmonies

Analogous

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



48.7195, 0.2541, 0.3539



48.7195, 0.2296, 0.3063



48.7195, 0.2256, 0.2705

Triad

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



48.7195, 0.2296, 0.3063



48.7195, 0.3250, 0.2727



48.7195, 0.3845, 0.4074

Complementary

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



48.7195, 0.2296, 0.3063



22.5209, 0.5177, 0.3461

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.



48.7195, 0.4075, 0.3783



48.7195, 0.2296, 0.3063



48.7195, 0.3723, 0.3032

Square

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



48.7195, 0.2296, 0.3063



48.7195, 0.2776, 0.2547



48.7195, 0.4035, 0.3407



48.7195, 0.3430, 0.4163

Rectangle

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



48.7195, 0.2296, 0.3063



48.7195, 0.2346, 0.2569



48.7195, 0.4035, 0.3407



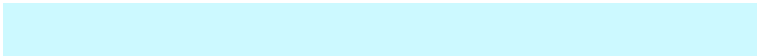
48.7195, 0.3948, 0.3993

Sweetspot

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



48.7213, 0.2296, 0.3063



88.0398, 0.2823, 0.3230



52.2598, 0.2972, 0.5255



18.5277, 0.2783, 0.3221



0.0000, 0.0000, 0.0000



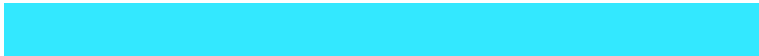
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.7213, 0.2296, 0.3063



65.9154, 0.2209, 0.3008



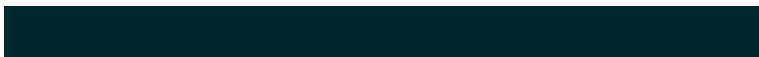
22.6979, 0.2032, 0.1962



14.5714, 0.2982, 0.3263



26.2330, 0.2150, 0.2941



1.7710, 0.2167, 0.3003

Inverse Universe

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



23.9274, 0.3379, 0.1927



29.4819, 0.3439, 0.1777



40.5220, 0.4490, 0.4262



13.2488, 0.3155, 0.3085



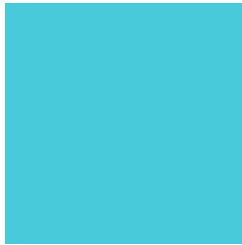
11.2720, 0.3507, 0.1705



0.7375, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 48.7195, 0.2296, 0.3063 looks on a white background.

Color Contrast Check

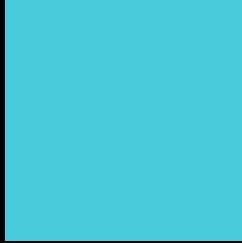
Large Text (above 18pt) WCAG AA × Fail

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 48.7195, 0.2296, 0.3063 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 48.7195, 0.2296, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 48.7195, 0.2296, 0.3063.



This preview shows how white text looks on a background with the Yxy color 48.7195, 0.2296, 0.3063.

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

48.7195, 0.2296, 0.3063

Protanopia

48.0985, 0.2944, 0.3012

Deuteranopia

48.0375, 0.2831, 0.2766



Tritanopia

48.7195, 0.2296, 0.3063

Trichromacy



Original Color

48.7195, 0.2296, 0.3063



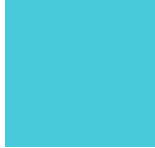
Protanomaly

47.2308, 0.2635, 0.3021



Deuteranomaly

47.0265, 0.2573, 0.2856



Tritanomaly

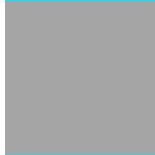
48.7195, 0.2296, 0.3063

Monochromacy



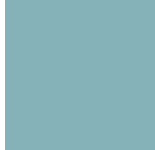
Original Color

48.7195, 0.2296, 0.3063



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.2070, 0.2714, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7195, 0.2296, 0.3063 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(73, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(73, 202, 218)  
}
```

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(73, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 202, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.7195, 0.2296, 0.3063 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(73, 202, 218) }
```

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

```
.border{ border-color:rgb(73, 202, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 202, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(73, 202,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7195, 0.2296, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 202, 218) }
```

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

```
.background{ background-color: rgb(73, 202,  
218) }
```

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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