

Converting Colors

$Yxy(48.7203, 0.2315, 0.3116)$

Have a look what the booklet for
Yxy(48.7203, 0.2315, 0.3116)
contains.

Yxy(48.5519, 0.2317, 0.3118)	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(48.5519, 0.2317, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	4ACAD6
RGB	74, 202, 214
RGB Percent	29%, 79%, 84%
CMY	0.7099, 0.2078, 0.1608
CMYK	0.65, 0.06, 0.00, 0.16
HSL	185°, 63%, 56%
HSV	185°, 65%, 84%
XYZ	36.0791, 48.5519, 71.0838
YIQ	165.0960, -80.1400, -23.4040

Conversions

Conversions Part 2

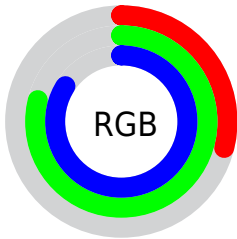
Format	Color
RYB	74, 141, 214
Decimal	4901590
CIELab	75.17, -30.95, -16.31
CIElCh	75, 34.986, 207.783
Yxy	48.5519, 0.2317, 0.3118
Android (android.graphics.Color)	4283091670 (0xFF4ACAD6)
YUV	165.0960, 24.1097, -79.8912
Hunter-Lab	69.6792, -29.5132, -11.7098

Details

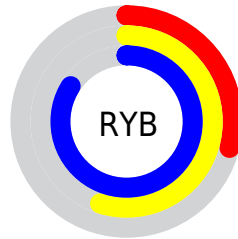
The Yxy color **48.5519, 0.2317, 0.3118** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.4377, 0.5155, 0.3423**, and the grayscale version is **37.5827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **23.3706, 0.2182, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **46.9897, 0.2253, 0.3088**, and if you desaturate by 10%, it is **50.4166, 0.2400, 0.3147**.

Distribution



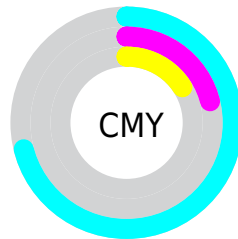
- Red (29%)
- Green (79%)
- Blue (84%)



- Red (29%)
- Yellow (55%)
- Blue (84%)



- Cyan (65%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (71%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5519, 0.2317, 0.3118 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 48.5519, 0.2317, 0.3118 by changing the saturation by 10% instead.

 48.5519, 0.2317,
0.3118


 48.5519, 0.2317,
0.3118


380.9756, 0.2707,
0.3215


 34.2642, 0.2225,
0.3091


 88.0256, 0.2455,
0.3156

 23.0966, 0.2110,
0.3054

 113.9803, 0.2508,
0.3169

 14.6649, 0.1963,
0.3003


 144.5927, 0.2553,
0.3180

 8.5845, 0.1768,
0.2928

 180.2474, 0.2592,
0.3189

 4.4712, 0.1502,
0.2809

221.3286, 0.2626,
0.3197

 1.9405, 0.1127,
0.2601

268.2208, 0.2656,

 0.5725, 0.0000,

0.3204

0.2222

321.3083, 0.2683,
0.3210

0.0000, 0.0000,
0.0000

48.5519, 0.2317,
0.3118

48.5519, 0.2317,
0.3118

46.9897, 0.2253,
0.3088

50.4166, 0.2400,
0.3147

45.6939, 0.2208,
0.3059

52.6049, 0.2502,
0.3176

44.6287, 0.2181,
0.3030

55.1420, 0.2619,
0.3204

44.1881, 0.2171,
0.3017

58.0491, 0.2751,
0.3230

61.3458, 0.2893,
0.3255

■ 65.0502, 0.3043,
0.3278

■ 69.1792, 0.3198,
0.3299

■ 73.7488, 0.3356,
0.3318

■ 76.5147, 0.3426,
0.3336

Harmonies

Analogous

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



48.5519, 0.2586, 0.3598



48.5519, 0.2317, 0.3118



48.5519, 0.2252, 0.2741

Triad

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



48.5519, 0.2317, 0.3118



48.5519, 0.3189, 0.2698



48.5519, 0.3884, 0.4045

Complementary

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



48.5519, 0.2317, 0.3118



21.4377, 0.5155, 0.3423

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.



48.5519, 0.4084, 0.3739



48.5519, 0.2317, 0.3118



48.5519, 0.3670, 0.2990

Square

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



48.5519, 0.2317, 0.3118



48.5519, 0.2725, 0.2538



48.5519, 0.4008, 0.3359



48.5519, 0.3486, 0.4165

Rectangle

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



48.5519, 0.2317, 0.3118



48.5519, 0.2324, 0.2589



48.5519, 0.4008, 0.3359



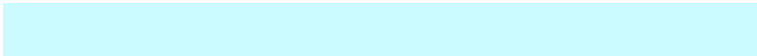
48.5519, 0.3978, 0.3958

Sweetspot

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



48.5537, 0.2317, 0.3118



88.8232, 0.2824, 0.3244



50.2111, 0.2983, 0.5249



18.7182, 0.2784, 0.3237



0.0000, 0.0000, 0.0000



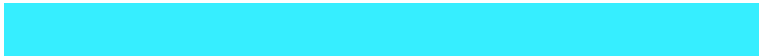
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5537, 0.2317, 0.3118



68.9978, 0.2231, 0.3076



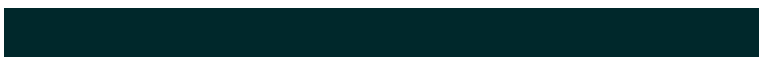
22.8966, 0.2058, 0.2027



13.9175, 0.2983, 0.3269



26.7866, 0.2173, 0.3021



1.6703, 0.2187, 0.3071

Inverse Universe

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



23.4531, 0.3332, 0.1914



30.0152, 0.3380, 0.1751



38.4489, 0.4484, 0.4226



12.6135, 0.3151, 0.3080



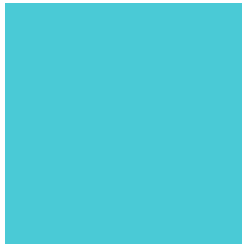
11.0490, 0.3435, 0.1666



0.6719, 0.3392, 0.1642

Previews

White Background



This preview shows how the Yxy color 48.5519, 0.2317, 0.3118 looks on a white background.

Color Contrast Check

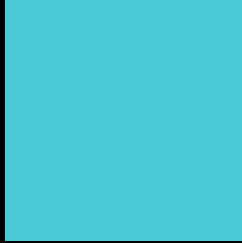
Large Text (above 18pt) WCAG AA × Fail

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 48.5519, 0.2317, 0.3118 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 48.5519, 0.2317, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 48.5519, 0.2317, 0.3118.



This preview shows how white text looks on a background with the Yxy color 48.5519, 0.2317, 0.3118.

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

48.5519, 0.2317, 0.3118

Protanopia

47.6180, 0.2981, 0.3049

Deuteranopia

47.9473, 0.2866, 0.2812



Tritanopia

48.3717, 0.2302, 0.3049

Trichromacy



Original Color

48.5519, 0.2317, 0.3118

Protanomaly

46.6911, 0.2665, 0.3059

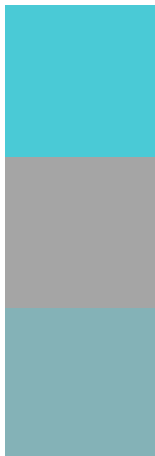
Deuteranomaly

46.9055, 0.2603, 0.2906

Tritanomaly

48.2789, 0.2303, 0.3063

Monochromacy



Original Color

48.5519, 0.2317, 0.3118

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.1652, 0.2721, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5519, 0.2317, 0.3118 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(74, 202, 214)` looks like.

```
.text, #text, p{  
    color:rgb(74, 202, 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(74, 202, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 202, 214) }
```

Border

The CSS property to change the border of an element to Yxy 48.5519, 0.2317, 0.3118 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(74, 202, 214) }
```

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

```
.border{ border-color:rgb(74, 202, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 202, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 202, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 202, 214);  
box-shadow:4px 4px 4px 4px rgb(74, 202,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5519, 0.2317, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 202, 214) }
```

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

```
.background{ background-color: rgb(74, 202,  
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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