

Converting Colors

$Yxy(46.2318, 0.2401, 0.3191)$

Have a look what the booklet for
Yxy(46.2318, 0.2401, 0.3191)
contains.

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Color

Yxy(46.3190, 0.2403, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	58C5CB
RGB	88, 197, 203
RGB Percent	35%, 77%, 80%
CMY	0.6548, 0.2274, 0.2039
CMYK	0.57, 0.03, 0.00, 0.20
HSL	183°, 53%, 57%
HSV	183°, 57%, 80%
XYZ	34.7718, 46.3190, 63.6108
YIQ	165.0930, -66.8900, -21.2420

Conversions

Conversions Part 2

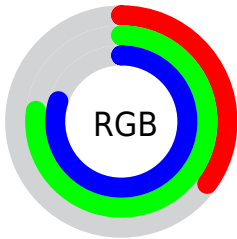
Format	Color
R _Y B	88, 144, 203
Decimal	5817803
CIE Lab	73.75, -29.26, -12.45
CIE LCh	74, 31.799, 203.047
Yxy	46.3190, 0.2403, 0.3201
Android (android.graphics.Color)	4284007883 (0xFF58C5CB)
YUV	165.0930, 18.6882, -67.6106
Hunter-Lab	68.0581, -27.9035, -7.7751

Details

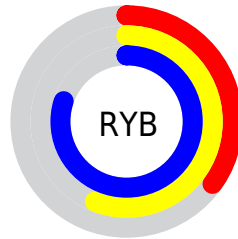
The Yxy color **46.3190, 0.2403, 0.3201** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.4125, 0.4781, 0.3368**, and the grayscale version is **37.6099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3995, 0.2551, 0.3277**, and **21.8148, 0.2213, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **44.9841, 0.2326, 0.3183**, and if you desaturate by 10%, it is **47.9366, 0.2498, 0.3218**.

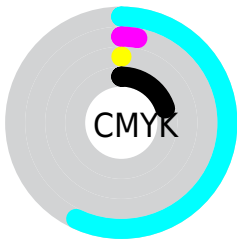
Distribution



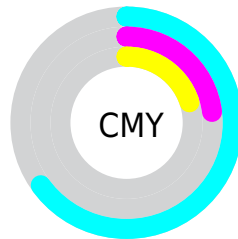
- Red (35%)
- Green (77%)
- Blue (80%)



- Red (35%)
- Yellow (56%)
- Blue (80%)



- Cyan (57%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)





- Cyan (65%)
- Magenta (23%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3190, 0.2403, 0.3201 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 46.3190, 0.2403, 0.3201 by changing the saturation by 10% instead.


 46.3190, 0.2403,
0.3201


 46.3190, 0.2403,
0.3201

372.0897, 0.2756,
0.3255

 32.4976, 0.2318,
0.3185


 84.6962, 0.2529,
0.3223


 21.7419, 0.2211,
0.3162


 110.0208, 0.2577,
0.3230

 13.6674, 0.2072,
0.3130


 139.9487, 0.2618,
0.3236

 7.8897, 0.1885,
0.3080

 174.8641, 0.2653,
0.3241

 4.0244, 0.1623,
0.2995

215.1515, 0.2684,
0.3246

 1.6872, 0.1232,
0.2838

261.1953, 0.2711,

 0.4154, 0.0000,

0.3249

0.2328

313.3799, 0.2735,
0.3252

0.0000, 0.0000,
0.0000

46.3190, 0.2403,
0.3201

46.3190, 0.2403,
0.3201

44.9841, 0.2326,
0.3183

47.9366, 0.2498,
0.3218

43.9031, 0.2268,
0.3166

49.8525, 0.2611,
0.3235

43.0503, 0.2230,
0.3148

52.0872, 0.2738,
0.3252

42.3899, 0.2207,
0.3131

54.6581, 0.2877,
0.3267

42.1889, 0.2202,
0.3125

57.5811, 0.3025,
0.3281

■ 60.8713, 0.3180,
0.3294

■ 64.5428, 0.3337,
0.3306

■ 68.6090, 0.3496,
0.3317

■ 69.9767, 0.3529,
0.3328

Harmonies

Analogous

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



46.3190, 0.2681, 0.3642



46.3190, 0.2403, 0.3201



46.3190, 0.2310, 0.2829

Triad

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



46.3190, 0.2403, 0.3201



46.3190, 0.3114, 0.2707



46.3190, 0.3873, 0.3955

Complementary

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



46.3190, 0.2403, 0.3201



21.4125, 0.4781, 0.3368

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.



46.3190, 0.4018, 0.3657



46.3190, 0.2403, 0.3201



46.3190, 0.3564, 0.2963

Square

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



46.3190, 0.2403, 0.3201



46.3190, 0.2697, 0.2580



46.3190, 0.3905, 0.3301



46.3190, 0.3528, 0.4095

Rectangle

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



46.3190, 0.2403, 0.3201



46.3190, 0.2357, 0.2667



46.3190, 0.3905, 0.3301



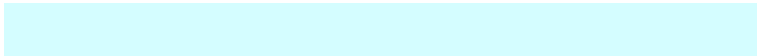
46.3190, 0.3947, 0.3868

Sweetspot

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



46.3208, 0.2403, 0.3201



91.2490, 0.2869, 0.3266



45.5947, 0.3014, 0.5017



19.3349, 0.2839, 0.3263



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.



46.3208, 0.2403, 0.3201



74.8732, 0.2311, 0.3179



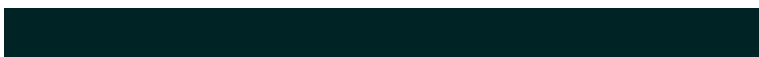
25.0752, 0.2210, 0.2294



12.6227, 0.2984, 0.3277



26.8895, 0.2202, 0.3128



1.4186, 0.2212, 0.3161

Inverse Universe

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



23.7116, 0.3257, 0.2021



33.8848, 0.3286, 0.1829



35.6203, 0.4298, 0.4082



11.3932, 0.3146, 0.3073



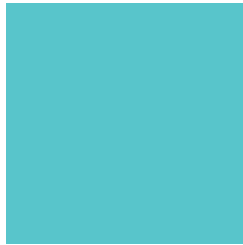
10.5175, 0.3343, 0.1615



0.5458, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 46.3190, 0.2403, 0.3201 looks on a white background.

Color Contrast Check

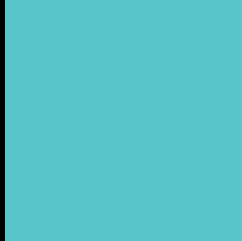
Large Text (above 18pt) WCAG AA × Fail

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 46.3190, 0.2403, 0.3201 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 46.3190, 0.2403, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 46.3190, 0.2403, 0.3201.

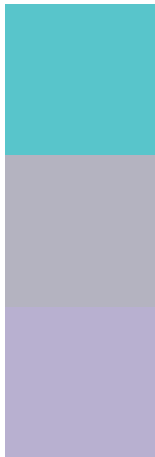


This preview shows how white text looks on a background with the Yxy color 46.3190, 0.2403, 0.3201.

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

46.3190, 0.2403, 0.3201

Protanopia

45.7493, 0.3033, 0.3121

Deuteranopia

45.7951, 0.2944, 0.2889



Tritanopia

46.4575, 0.2368, 0.3061

Trichromacy



Original Color

46.3190, 0.2403, 0.3201

Protanomaly

45.3064, 0.2752, 0.3152

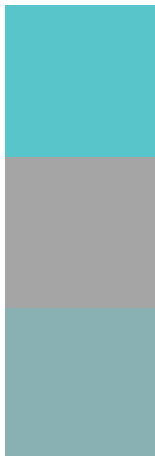
Deuteranomaly

45.1268, 0.2698, 0.2993

Tritanomaly

46.2570, 0.2379, 0.3102

Monochromacy



Original Color

46.3190, 0.2403, 0.3201

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.0173, 0.2784, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3190, 0.2403, 0.3201 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(88, 197, 203)` looks like.

```
.text, #text, p{  
    color:rgb(88, 197, 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(88, 197, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 197, 203) }
```

Border

The CSS property to change the border of an element to Yxy 46.3190, 0.2403, 0.3201 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(88, 197, 203) }
```

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

```
.border{ border-color:rgb(88, 197, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 197, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 197, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 197, 203);  
box-shadow:4px 4px 4px 4px rgb(88, 197,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3190, 0.2403, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 197, 203) }
```

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

```
.background{ background-color: rgb(88, 197,  
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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