

Converting Colors

$Y_{xy}(48.6460, 0.2391, 0.3122)$

Have a look what the booklet for
Yxy(48.6460, 0.2391, 0.3122)
contains.

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Color

Yxy(48.4417, 0.2393, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	5EC8D4
RGB	94, 200, 212
RGB Percent	37%, 78%, 83%
CMY	0.6312, 0.2157, 0.1687
CMYK	0.56, 0.06, 0.00, 0.17
HSL	186°, 58%, 60%
HSV	186°, 56%, 83%
XYZ	37.1542, 48.4417, 69.6660
YIQ	169.6740, -67.0280, -18.7400

Conversions

Conversions Part 2

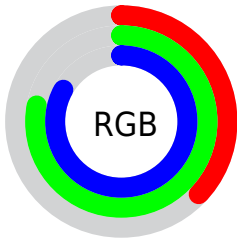
Format	Color
R_{YB}	94, 150, 212
Decimal	6211796
CIE Lab	75.10, -27.10, -15.27
CIE LCh	75, 31.099, 209.397
Yxy	48.4417, 0.2393, 0.3120
Android (android.graphics.Color)	4284401876 (0xFF5EC8D4)
YUV	169.6740, 20.8667, -66.3661
Hunter-Lab	69.6001, -26.5126, -10.6261

Details

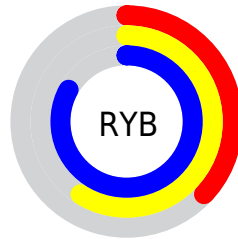
The Yxy color **48.4417, 0.2393, 0.3120** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.1138, 0.4697, 0.3437**, and the grayscale version is **39.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **23.1113, 0.2207, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **46.4818, 0.2308, 0.3085**, and if you desaturate by 10%, it is **50.7270, 0.2496, 0.3154**.

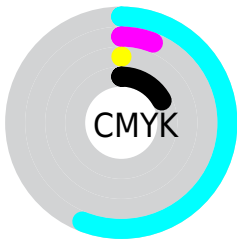
Distribution



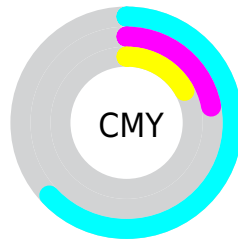
- Red (37%)
- Green (78%)
- Blue (83%)



- Red (37%)
- Yellow (59%)
- Blue (83%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)




- Cyan (63%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4417, 0.2393, 0.3120 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 48.4417, 0.2393, 0.3120 by changing the saturation by 10% instead.


 48.4417, 0.2393,
0.3120

 48.4417, 0.2393,
0.3120


380.5403, 0.2748,
0.3214


 34.1768, 0.2309,
0.3094


 87.8617, 0.2519,
0.3156


 23.0295, 0.2203,
0.3060


 113.7856, 0.2567,
0.3169

 14.6153, 0.2067,
0.3012


 144.3646, 0.2608,
0.3180

 8.5498, 0.1886,
0.2942

 179.9831, 0.2644,
0.3189

 4.4487, 0.1635,
0.2831

221.0255, 0.2675,
0.3197

 1.9276, 0.1273,
0.2638

267.8763, 0.2702,

 0.5649, 0.0000,

0.3203

0.2315

320.9197, 0.2726,
0.3209

0.0000, 0.0000,
0.0000

48.4417, 0.2393,
0.3120

48.4417, 0.2393,
0.3120

46.4818, 0.2308,
0.3085

50.7270, 0.2496,
0.3154

44.8160, 0.2242,
0.3050

53.3552, 0.2615,
0.3187

43.4158, 0.2195,
0.3014

56.3489, 0.2747,
0.3219

42.2442, 0.2166,
0.2980

59.7273, 0.2890,
0.3248

41.7754, 0.2157,
0.2965

63.5081, 0.3040,
0.3276

■ 67.7078, 0.3195,
0.3301

■ 72.3423, 0.3352,
0.3323

■ 75.7547, 0.3443,
0.3344

■ 76.8734, 0.3439,
0.3366

Harmonies

Analogous

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



48.4417, 0.2628, 0.3541



48.4417, 0.2393, 0.3120



48.4417, 0.2343, 0.2789

Triad

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



48.4417, 0.2393, 0.3120



48.4417, 0.3208, 0.2769



48.4417, 0.3789, 0.3977

Complementary

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



48.4417, 0.2393, 0.3120



25.1138, 0.4697, 0.3437

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.



48.4417, 0.3976, 0.3715



48.4417, 0.2393, 0.3120



48.4417, 0.3631, 0.3039

Square

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



48.4417, 0.2393, 0.3120



48.4417, 0.2789, 0.2617



48.4417, 0.3920, 0.3376



48.4417, 0.3429, 0.4064

Rectangle

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



48.4417, 0.2393, 0.3120



48.4417, 0.2415, 0.2655



48.4417, 0.3920, 0.3376



48.4417, 0.3875, 0.3904

Sweetspot

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



48.4435, 0.2393, 0.3120



89.9081, 0.2867, 0.3244



50.4961, 0.2987, 0.4904



19.0146, 0.2838, 0.3238



0.0000, 0.0000, 0.0000



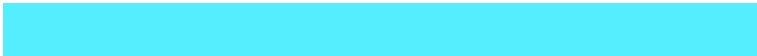
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4435, 0.2393, 0.3120



70.0560, 0.2293, 0.3078



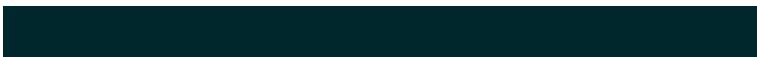
26.2466, 0.2203, 0.2219



13.8822, 0.2983, 0.3266



25.8804, 0.2158, 0.2970



1.6246, 0.2175, 0.3030

Inverse Universe

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



26.1760, 0.3319, 0.2090



33.7763, 0.3368, 0.1902



41.6420, 0.4232, 0.4139



12.6100, 0.3153, 0.3083



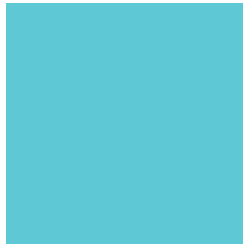
10.9575, 0.3481, 0.1691



0.6673, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 48.4417, 0.2393, 0.3120 looks on a white background.

Color Contrast Check

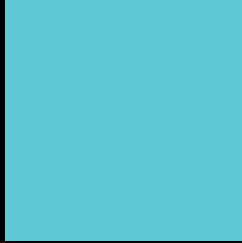
Large Text (above 18pt) WCAG AA × Fail

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 48.4417, 0.2393, 0.3120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

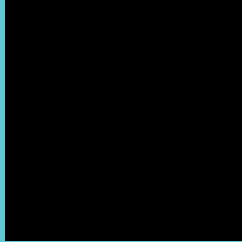
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4417, 0.2393, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 48.4417, 0.2393, 0.3120.



This preview shows how white text looks on a background with the Yxy color 48.4417, 0.2393, 0.3120.

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

48.4417, 0.2393, 0.3120

Protanopia

47.6180, 0.2981, 0.3049

Deuteranopia

47.6372, 0.2903, 0.2836



Tritanopia

48.2376, 0.2375, 0.3052

Trichromacy



Original Color

48.4417, 0.2393, 0.3120

Protanomaly

47.2870, 0.2718, 0.3075

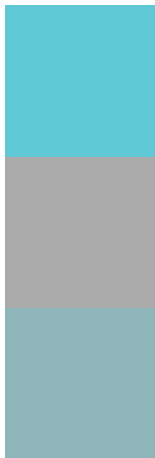
Deuteranomaly

47.2192, 0.2673, 0.2923

Tritanomaly

48.1860, 0.2379, 0.3065

Monochromacy



Original Color

48.4417, 0.2393, 0.3120

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.3013, 0.2784, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4417, 0.2393, 0.3120 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(94, 200, 212)` looks like.

```
.text, #text, p{  
    color:rgb(94, 200, 212)  
}
```

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(94, 200, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 200, 212) }
```

Border

The CSS property to change the border of an element to Yxy 48.4417, 0.2393, 0.3120 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(94, 200, 212) }
```

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

```
.border{ border-color:rgb(94, 200, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 200, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 200, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 200, 212);  
box-shadow:4px 4px 4px 4px rgb(94, 200,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4417, 0.2393, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 200, 212) }
```

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

```
.background{ background-color: rgb(94, 200,  
212) }
```

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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