

Converting Colors

$Yxy(45.2564, 0.2343, 0.3055)$

Have a look what the booklet for
Yxy(45.2564, 0.2343, 0.3055)
contains.

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Color

Yxy(45.1215, 0.2343, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	54C2D2
RGB	84, 194, 210
RGB Percent	33%, 76%, 82%
CMY	0.6711, 0.2391, 0.1765
CMYK	0.60, 0.08, 0.00, 0.18
HSL	188°, 58%, 58%
HSV	188°, 60%, 82%
XYZ	34.5715, 45.1215, 67.8593
YIQ	162.9340, -70.6960, -18.3440

Conversions

Conversions Part 2

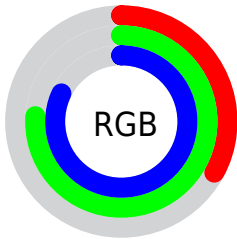
Format	Color
RYB	84, 143, 210
Decimal	5554898
CIELab	72.97, -26.59, -17.44
CIElCh	73, 31.793, 213.259
Yxy	45.1215, 0.2343, 0.3058
Android (android.graphics.Color)	4283744978 (0xFF54C2D2)
YUV	162.9340, 23.2035, -69.2251
Hunter-Lab	67.1725, -25.6838, -12.8754

Details

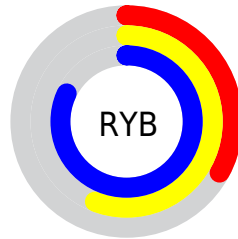
The Yxy color **45.1215, 0.2343, 0.3058** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4255, 0.4861, 0.3481**, and the grayscale version is **36.4917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2341, 0.2533, 0.3243**, and **21.1565, 0.2158, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **43.1228, 0.2263, 0.3014**, and if you desaturate by 10%, it is **47.4350, 0.2441, 0.3102**.

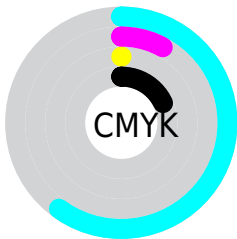
Distribution



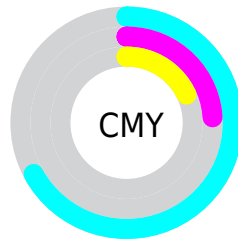
- Red (33%)
- Green (76%)
- Blue (82%)



- Red (33%)
- Yellow (56%)
- Blue (82%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)





- Cyan (67%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1215, 0.2343, 0.3058 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 45.1215, 0.2343, 0.3058 by changing the saturation by 10% instead.


 45.1215, 0.2343,
0.3058

 45.1215, 0.2343,
0.3058


367.2654, 0.2725,
0.3185


 31.5531, 0.2251,
0.3023


 82.9027, 0.2479,
0.3107


 21.0204, 0.2136,
0.2977


 107.8843, 0.2531,
0.3124

 13.1389, 0.1988,
0.2913


 137.4392, 0.2575,
0.3139

 7.5243, 0.1789,
0.2819

 171.9516, 0.2614,
0.3151

 3.7921, 0.1515,
0.2672

211.8061, 0.2647,
0.3161

 1.5580, 0.1112,
0.2420

257.3869, 0.2676,

 0.3290, 0.0000,

0.3170

0.1609

309.0786, 0.2702,
0.3178

0.0000, 0.0000,
0.0000

45.1215, 0.2343,
0.3058

45.1215, 0.2343,
0.3058

43.1228, 0.2263,
0.3014

47.4350, 0.2441,
0.3102

41.4068, 0.2202,
0.2969

50.0820, 0.2556,
0.3144

39.9434, 0.2160,
0.2925

53.0853, 0.2685,
0.3184

38.6812, 0.2134,
0.2881

56.4644, 0.2825,
0.3222

60.2372, 0.2973,
0.3258

■ 64.4206, 0.3126,
0.3290

■ 69.0301, 0.3282,
0.3319

■ 74.0807, 0.3437,
0.3345

■ 76.0387, 0.3456,
0.3372

Harmonies

Analogous

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



45.1215, 0.2563, 0.3495



45.1215, 0.2343, 0.3058



45.1215, 0.2317, 0.2732

Triad

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



45.1215, 0.2343, 0.3058



45.1215, 0.3271, 0.2778



45.1215, 0.3778, 0.4032

Complementary

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



45.1215, 0.2343, 0.3058



23.4255, 0.4861, 0.3481

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.



45.1215, 0.4003, 0.3773



45.1215, 0.2343, 0.3058



45.1215, 0.3704, 0.3070

Square

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



45.1215, 0.2343, 0.3058



45.1215, 0.2825, 0.2601



45.1215, 0.3980, 0.3424



45.1215, 0.3385, 0.4095

Rectangle

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



45.1215, 0.2343, 0.3058



45.1215, 0.2409, 0.2610



45.1215, 0.3980, 0.3424



45.1215, 0.3877, 0.3962

Sweetspot

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



45.1232, 0.2343, 0.3058



88.6549, 0.2852, 0.3229



48.8650, 0.2970, 0.5017



18.6251, 0.2809, 0.3218



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.



45.1232, 0.2343, 0.3058



66.1389, 0.2244, 0.3001



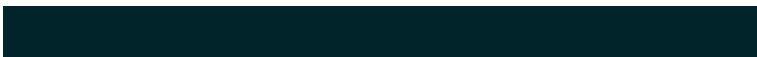
23.0939, 0.2125, 0.2084



13.1408, 0.2983, 0.3260



23.6976, 0.2136, 0.2888



1.3982, 0.2158, 0.2968

Inverse Universe

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



23.9177, 0.3375, 0.2045



31.6287, 0.3437, 0.1873



40.0571, 0.4318, 0.4216



11.9822, 0.3157, 0.3089



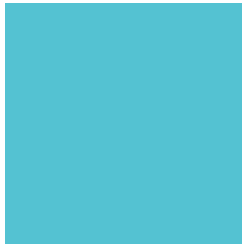
10.4636, 0.3555, 0.1732



0.5924, 0.3482, 0.1692

Previews

White Background



This preview shows how the Yxy color 45.1215, 0.2343, 0.3058 looks on a white background.

Color Contrast Check

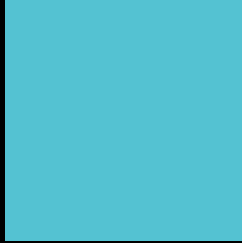
Large Text (above 18pt) WCAG AA × Fail

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 45.1215, 0.2343, 0.3058 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 45.1215, 0.2343, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 45.1215, 0.2343, 0.3058.



This preview shows how white text looks on a background with the Yxy color 45.1215, 0.2343, 0.3058.

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

45.1215, 0.2343, 0.3058

Protanopia

44.6818, 0.2939, 0.3004

Deuteranopia

44.4743, 0.2843, 0.2785



Tritanopia

45.1215, 0.2343, 0.3058

Trichromacy



Original Color

45.1215, 0.2343, 0.3058

Protanomaly

43.9296, 0.2667, 0.3014

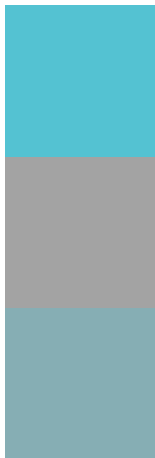
Deuteranomaly

43.6915, 0.2608, 0.2859

Tritanomaly

45.1215, 0.2343, 0.3058

Monochromacy



Original Color

45.1215, 0.2343, 0.3058

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.6357, 0.2750, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1215, 0.2343, 0.3058 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(84, 194, 210)` looks like.

```
.text, #text, p{  
    color:rgb(84, 194, 210)  
}
```

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(84, 194, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 194, 210) }
```

Border

The CSS property to change the border of an element to Yxy 45.1215, 0.2343, 0.3058 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(84, 194, 210) }
```

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

```
.border{ border-color:rgb(84, 194, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 194, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 194, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 194, 210);  
box-shadow:4px 4px 4px 4px rgb(84, 194,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1215, 0.2343, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 194, 210) }
```

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

```
.background{ background-color: rgb(84, 194,  
210) }
```

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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