

Converting Colors

$Yxy(48.5425, 0.2357, 0.3052)$

Have a look what the booklet for
Yxy(48.5425, 0.2357, 0.3052)
contains.

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Color

Yxy(48.5425, 0.2357, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	5BC8D9
RGB	91, 200, 217
RGB Percent	36%, 78%, 85%
CMY	0.6432, 0.2157, 0.1491
CMYK	0.58, 0.08, 0.00, 0.15
HSL	188°, 62%, 60%
HSV	188°, 58%, 85%
XYZ	37.4884, 48.5425, 73.0205
YIQ	169.3470, -70.4210, -17.8210

Conversions

Conversions Part 2

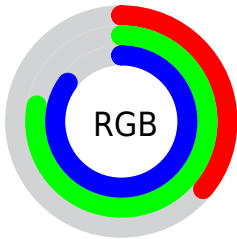
Format	Color
RYB	91, 149, 217
Decimal	6015193
CIELab	75.17, -26.27, -17.88
CIELCh	75, 31.781, 214.235
Yxy	48.5425, 0.2357, 0.3052
Android (android.graphics.Color)	4284205273 (0xFF5BC8D9)
YUV	169.3470, 23.4929, -68.7103
Hunter-Lab	69.6724, -25.8819, -13.3684

Details

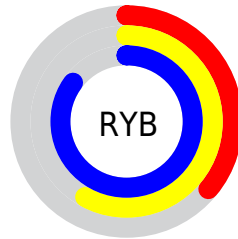
The Yxy color **48.5425, 0.2357, 0.3052** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.2166, 0.4772, 0.3489**, and the grayscale version is **39.7625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **23.1729, 0.2162, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **46.2563, 0.2272, 0.3005**, and if you desaturate by 10%, it is **51.1769, 0.2460, 0.3098**.

Distribution



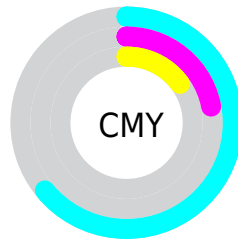
- Red (36%)
- Green (78%)
- Blue (85%)



- Red (36%)
- Yellow (58%)
- Blue (85%)



- Cyan (58%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)




- Cyan (64%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5425, 0.2357, 0.3052 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 48.5425, 0.2357, 0.3052 by changing the saturation by 10% instead.


 48.5425, 0.2357,
0.3052

 48.5425, 0.2357,
0.3052


380.9385, 0.2728,
0.3180


 34.2567, 0.2269,
0.3018


 88.0116, 0.2488,
0.3100

 23.0909, 0.2160,
0.2973


 113.9637, 0.2538,
0.3118

 14.6606, 0.2019,
0.2911


 144.5733, 0.2581,
0.3133

 8.5816, 0.1833,
0.2822

 180.2249, 0.2619,
0.3145

 4.4693, 0.1578,
0.2685

221.3028, 0.2651,
0.3156

 1.9394, 0.1215,
0.2456

268.1914, 0.2680,

 0.5719, 0.0000,

0.3165

0.2072

321.2752, 0.2705,
0.3173

0.0000, 0.0000,
0.0000

48.5425, 0.2357,
0.3052

48.5425, 0.2357,
0.3052

46.2563, 0.2272,
0.3005

51.1769, 0.2460,
0.3098

44.2842, 0.2207,
0.2957

54.1791, 0.2579,
0.3143

42.5948, 0.2160,
0.2909

57.5736, 0.2711,
0.3186

41.1400, 0.2131,
0.2863

61.3810, 0.2853,
0.3226

40.8716, 0.2126,
0.2853

65.6206, 0.3003,
0.3263

■ 70.3103, 0.3157,
0.3296

■ 75.4669, 0.3313,
0.3327

■ 79.2477, 0.3398,
0.3355

■ 80.8259, 0.3393,
0.3384

Harmonies

Analogous

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



48.5425, 0.2567, 0.3476



48.5425, 0.2357, 0.3052



48.5425, 0.2338, 0.2738

Triad

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



48.5425, 0.2357, 0.3052



48.5425, 0.3282, 0.2797



48.5425, 0.3753, 0.4020

Complementary

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



48.5425, 0.2357, 0.3052



26.2166, 0.4772, 0.3489

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.



48.5425, 0.3978, 0.3774



48.5425, 0.2357, 0.3052



48.5425, 0.3702, 0.3086

Square

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



48.5425, 0.2357, 0.3052



48.5425, 0.2845, 0.2620



48.5425, 0.3963, 0.3434



48.5425, 0.3366, 0.4072

Rectangle

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



48.5425, 0.2357, 0.3052



48.5425, 0.2432, 0.2622



48.5425, 0.3963, 0.3434



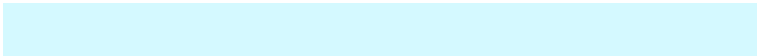
48.5425, 0.3851, 0.3954

Sweetspot

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



48.5443, 0.2357, 0.3052



89.0172, 0.2867, 0.3229



52.9134, 0.2962, 0.4927



18.8021, 0.2837, 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.



48.5443, 0.2357, 0.3052



65.9094, 0.2254, 0.2992



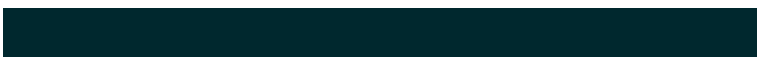
25.1739, 0.2149, 0.2096



14.5149, 0.2982, 0.3258



24.8619, 0.2128, 0.2860



1.6952, 0.2149, 0.2937

Inverse Universe

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



26.3974, 0.3377, 0.2084



32.2656, 0.3443, 0.1906



44.5442, 0.4260, 0.4215



13.2431, 0.3158, 0.3090



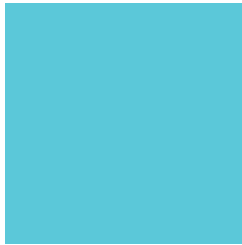
11.1336, 0.3579, 0.1745



0.7298, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 48.5425, 0.2357, 0.3052 looks on a white background.

Color Contrast Check

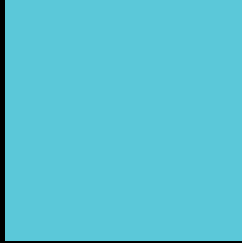
Large Text (above 18pt) WCAG AA × Fail

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 48.5425, 0.2357, 0.3052 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 48.5425, 0.2357, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 48.5425, 0.2357, 0.3052.



This preview shows how white text looks on a background with the Yxy color 48.5425, 0.2357, 0.3052.

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

48.5425, 0.2357, 0.3052

Protanopia

48.1470, 0.2937, 0.3000

Deuteranopia

47.9303, 0.2845, 0.2788



Tritanopia

48.4906, 0.2362, 0.3065

Trichromacy



Original Color

48.5425, 0.2357, 0.3052



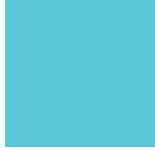
Protanomaly

47.3442, 0.2673, 0.3010



Deuteranomaly

47.1920, 0.2622, 0.2860



Tritanomaly

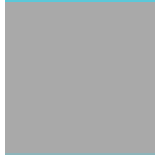
48.4906, 0.2362, 0.3065

Monochromacy



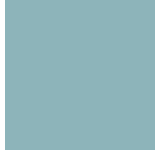
Original Color

48.5425, 0.2357, 0.3052



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.8504, 0.2768, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5425, 0.2357, 0.3052 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(91, 200, 217)` looks like.

```
.text, #text, p{  
    color:rgb(91, 200, 217)  
}
```

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(91, 200, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 200, 217) }
```

Border

The CSS property to change the border of an element to Yxy 48.5425, 0.2357, 0.3052 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(91, 200, 217) }
```

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

```
.border{ border-color:rgb(91, 200, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 200, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 200, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 200, 217);  
box-shadow:4px 4px 4px 4px rgb(91, 200,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5425, 0.2357, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 200, 217) }
```

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

```
.background{ background-color: rgb(91, 200,  
217) }
```

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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