

Converting Colors

$Yxy(50.5137, 0.2354, 0.3099)$

Have a look what the booklet for
Yxy(50.5137, 0.2354, 0.3099)
contains.

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Color

Yxy(50.3224, 0.2353, 0.3094)

Conversions

Conversions Part 1

Format	Color
Hex	58CCDA
RGB	88, 204, 218
RGB Percent	35%, 80%, 85%
CMY	0.6552, 0.2000, 0.1449
CMYK	0.60, 0.06, 0.00, 0.14
HSL	186°, 64%, 60%
HSV	186°, 60%, 86%
XYZ	38.2704, 50.3224, 74.0523
YIQ	170.9120, -73.6300, -20.2380

Conversions

Conversions Part 2

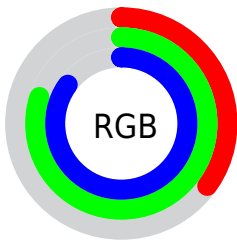
Format	Color
R _Y B	88, 149, 218
Decimal	5819610
CIE Lab	76.27, -28.49, -16.80
CIE LCh	76, 33.073, 210.532
Yxy	50.3224, 0.2353, 0.3094
Android (android.graphics.Color)	4284009690 (0xFF58CCDA)
YUV	170.9120, 23.2144, -72.7138
Hunter-Lab	70.9383, -27.8433, -12.2359

Details

The Yxy color **50.3224, 0.2353, 0.3094** 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 **25.1088, 0.4871, 0.3452**, and the grayscale version is **40.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **24.1392, 0.2173, 0.3021** is the 20% darker color. If you saturate the color by 10%, you get **48.3063, 0.2275, 0.3056**, and if you desaturate by 10%, it is **52.6772, 0.2450, 0.3131**.

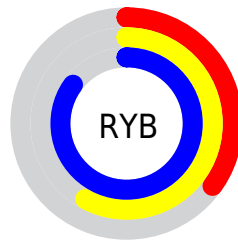
Distribution



Red (35%)

Green (80%)

Blue (85%)



Red (35%)

Yellow (58%)

Blue (85%)

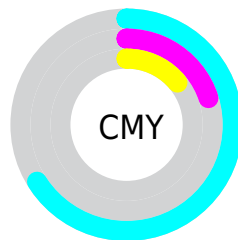


Cyan (60%)

Magenta (6%)

Yellow (0%)

Black (14%)



Cyan (66%)


Magenta (20%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3224, 0.2353, 0.3094 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 50.3224, 0.2353, 0.3094 by changing the saturation by 10% instead.


 50.3224, 0.2353,
0.3094


 50.3224, 0.2353,
0.3094

387.9254, 0.2724,
0.3201


 35.6696, 0.2266,
0.3065


 90.6524, 0.2484,
0.3135

 24.1792, 0.2157,
0.3026


 117.0984, 0.2534,
0.3150

 15.4666, 0.2018,
0.2973


 148.2442, 0.2577,
0.3162

 9.1475, 0.1835,
0.2897

 184.4744, 0.2614,
0.3172

 4.8375, 0.1585,
0.2778

226.1732, 0.2647,
0.3181

 2.1522, 0.1231,
0.2577

273.7250, 0.2675,

 0.6938, 0.0000,

0.3189

0.2326

327.5143, 0.2701,
0.3195

0.0000, 0.0000,
0.0000

50.3224, 0.2353,
0.3094

50.3224, 0.2353,
0.3094

48.3063, 0.2275,
0.3056

52.6772, 0.2450,
0.3131

46.5937, 0.2216,
0.3019

55.3908, 0.2563,
0.3167

45.1517, 0.2176,
0.2981

58.4882, 0.2691,
0.3201

43.9206, 0.2152,
0.2945

61.9907, 0.2831,
0.3233

43.8820, 0.2151,
0.2943

65.9179, 0.2979,
0.3263

■ 70.2879, 0.3132,
0.3291

■ 75.1180, 0.3288,
0.3316

■ 79.0028, 0.3391,
0.3339

■ 80.2667, 0.3388,
0.3362

Harmonies

Analogous

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



50.3224, 0.2591, 0.3536



50.3224, 0.2353, 0.3094



50.3224, 0.2309, 0.2753

Triad

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



50.3224, 0.2353, 0.3094



50.3224, 0.3229, 0.2754



50.3224, 0.3809, 0.4017

Complementary

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



50.3224, 0.2353, 0.3094



25.1088, 0.4871, 0.3452

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.



50.3224, 0.4015, 0.3745



50.3224, 0.2353, 0.3094



50.3224, 0.3671, 0.3039

Square

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



50.3224, 0.2353, 0.3094



50.3224, 0.2787, 0.2590



50.3224, 0.3967, 0.3391



50.3224, 0.3426, 0.4103

Rectangle

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



50.3224, 0.2353, 0.3094



50.3224, 0.2389, 0.2620



50.3224, 0.3967, 0.3391



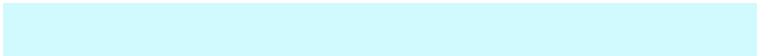
50.3224, 0.3902, 0.3942

Sweetspot

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



50.3243, 0.2353, 0.3094



89.1922, 0.2853, 0.3238



53.1728, 0.2980, 0.5039



18.7581, 0.2810, 0.3229



0.0000, 0.0000, 0.0000



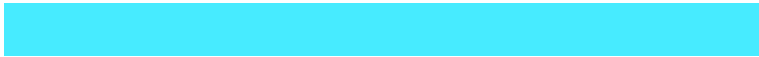
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3243, 0.2353, 0.3094



68.1059, 0.2256, 0.3045



25.8822, 0.2137, 0.2123



14.5771, 0.2982, 0.3264



26.3755, 0.2153, 0.2949



1.7789, 0.2169, 0.3009

Inverse Universe

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



26.2383, 0.3345, 0.2027



31.8272, 0.3400, 0.1849



42.8848, 0.4330, 0.4190



13.2494, 0.3154, 0.3084



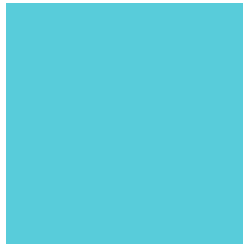
11.2864, 0.3500, 0.1701



0.7383, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 50.3224, 0.2353, 0.3094 looks on a white background.

Color Contrast Check

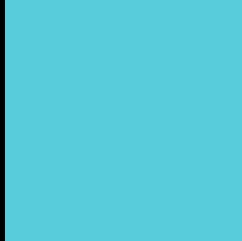
Large Text (above 18pt) WCAG AA × Fail

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 50.3224, 0.2353, 0.3094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

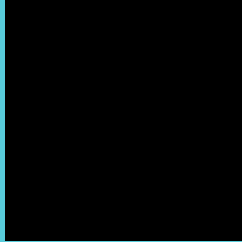
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3224, 0.2353, 0.3094

Background



This preview shows how black text looks on a background with the Yxy color 50.3224, 0.2353, 0.3094.



This preview shows how white text looks on a background with the Yxy color 50.3224, 0.2353, 0.3094.

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

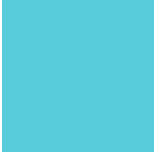
50.3224, 0.2353, 0.3094

Protanopia

49.7644, 0.2961, 0.3040

Deuteranopia

49.7595, 0.2863, 0.2807



Tritanopia

50.4769, 0.2348, 0.3068

Trichromacy



Original Color

50.3224, 0.2353, 0.3094



Protanomaly

49.1826, 0.2686, 0.3065



Deuteranomaly

49.0614, 0.2629, 0.2902



Tritanomaly

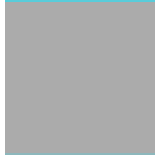
50.4241, 0.2353, 0.3081

Monochromacy



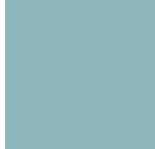
Original Color

50.3224, 0.2353, 0.3094



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.1605, 0.2758, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3224, 0.2353, 0.3094 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, 204, 218)` looks like.

```
.text, #text, p{  
    color:rgb(88, 204, 218)  
}
```

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, 204, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 204, 218) }
```

Border

The CSS property to change the border of an element to Yxy 50.3224, 0.2353, 0.3094 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, 204, 218) }
```

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

```
.border{ border-color:rgb(88, 204, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 204, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 204, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 204, 218);  
box-shadow:4px 4px 4px 4px rgb(88, 204,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3224, 0.2353, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 204, 218) }
```

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

```
.background{ background-color: rgb(88, 204,  
218) }
```

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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