

Converting Colors

$Yxy(50.3677, 0.2374, 0.3122)$

Have a look what the booklet for
Yxy(50.3677, 0.2374, 0.3122)
contains.

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Color

Yxy(50.3677, 0.2374, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	5BCCD8
RGB	91, 204, 216
RGB Percent	36%, 80%, 85%
CMY	0.6432, 0.2000, 0.1530
CMYK	0.58, 0.06, 0.00, 0.15
HSL	186°, 62%, 60%
HSV	186°, 58%, 85%
XYZ	38.3001, 50.3677, 72.6637
YIQ	171.5810, -71.2000, -20.2240

Conversions

Conversions Part 2

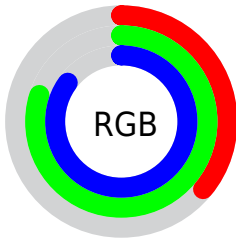
Format	Color
R _Y B	91, 150, 216
Decimal	6016216
CIE Lab	76.29, -28.51, -15.65
CIE LCh	76, 32.523, 208.760
Yxy	50.3677, 0.2374, 0.3122
Android (android.graphics.Color)	4284206296 (0xFF5BCCD8)
YUV	171.5810, 21.8986, -70.6695
Hunter-Lab	70.9702, -27.8677, -11.0257

Details

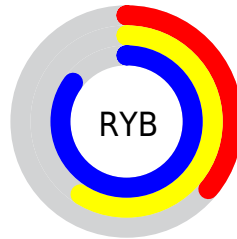
The Yxy color **50.3677, 0.2374, 0.3122** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.0499, 0.4803, 0.3432**, and the grayscale version is **40.9464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **24.0681, 0.2183, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **48.4472, 0.2294, 0.3089**, and if you desaturate by 10%, it is **52.6209, 0.2472, 0.3155**.

Distribution



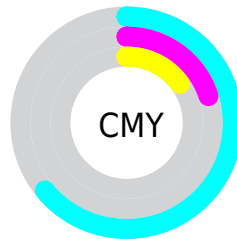
- Red (36%)
- Green (80%)
- Blue (85%)



- Red (36%)
- Yellow (59%)
- Blue (85%)



- Cyan (58%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)




- Cyan (64%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3677, 0.2374, 0.3122 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 50.3677, 0.2374, 0.3122 by changing the saturation by 10% instead.


 50.3677, 0.2374,
0.3122


 50.3677, 0.2374,
0.3122


388.1021, 0.2735,
0.3215

 35.7056, 0.2289,
0.3096


 90.7194, 0.2501,
0.3158


 24.2069, 0.2183,
0.3063


 117.1779, 0.2550,
0.3170

 15.4872, 0.2047,
0.3016


 148.3373, 0.2592,
0.3181

 9.1620, 0.1867,
0.2947

 184.5821, 0.2629,
0.3190

 4.8470, 0.1620,
0.2840

226.2965, 0.2660,
0.3198

 2.1578, 0.1269,
0.2655

273.8651, 0.2688,

 0.6968, 0.0000,

0.3204

0.2445

327.6722, 0.2713,
0.3210

0.0000, 0.0000,
0.0000

50.3677, 0.2374,
0.3122

50.3677, 0.2374,
0.3122

48.4472, 0.2294,
0.3089

52.6209, 0.2472,
0.3155

46.8258, 0.2233,
0.3056

55.2257, 0.2587,
0.3186

45.4724, 0.2192,
0.3023

58.2064, 0.2717,
0.3216

44.3406, 0.2166,
0.2990

61.5833, 0.2857,
0.3245

44.1128, 0.2162,
0.2983

65.3752, 0.3006,
0.3271

■ 69.5998, 0.3160,
0.3295

■ 74.2736, 0.3317,
0.3317

■ 77.7074, 0.3409,
0.3337

■ 78.8053, 0.3406,
0.3358

Harmonies

Analogous

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



50.3677, 0.2619, 0.3558



50.3677, 0.2374, 0.3122



50.3677, 0.2319, 0.2778

Triad

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



50.3677, 0.2374, 0.3122



50.3677, 0.3200, 0.2749



50.3677, 0.3816, 0.3994

Complementary

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



50.3677, 0.2374, 0.3122



25.0499, 0.4803, 0.3432

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.



50.3677, 0.4004, 0.3720



50.3677, 0.2374, 0.3122



50.3677, 0.3639, 0.3024

Square

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



50.3677, 0.2374, 0.3122



50.3677, 0.2770, 0.2596



50.3677, 0.3941, 0.3369



50.3677, 0.3447, 0.4090

Rectangle

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



50.3677, 0.2374, 0.3122



50.3677, 0.2390, 0.2639



50.3677, 0.3941, 0.3369



50.3677, 0.3904, 0.3917

Sweetspot

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



50.3696, 0.2374, 0.3122



90.0611, 0.2868, 0.3247



52.2798, 0.2993, 0.5009



19.0512, 0.2838, 0.3241



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.



50.3696, 0.2374, 0.3122



70.1067, 0.2282, 0.3083



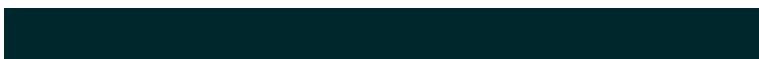
26.8492, 0.2173, 0.2198



13.8947, 0.2983, 0.3267



26.1995, 0.2163, 0.2988



1.6407, 0.2179, 0.3044

Inverse Universe

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



26.4388, 0.3321, 0.2044



33.0396, 0.3366, 0.1869



41.8718, 0.4302, 0.4145



12.6112, 0.3152, 0.3082



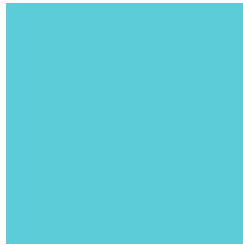
10.9897, 0.3465, 0.1682



0.6690, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 50.3677, 0.2374, 0.3122 looks on a white background.

Color Contrast Check

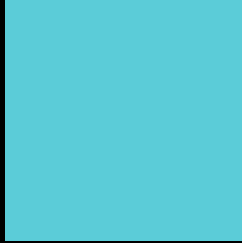
Large Text (above 18pt) WCAG AA × Fail

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 50.3677, 0.2374, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

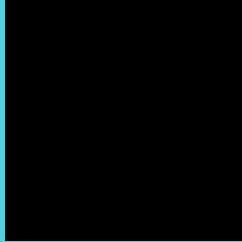
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3677, 0.2374, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 50.3677, 0.2374, 0.3122.

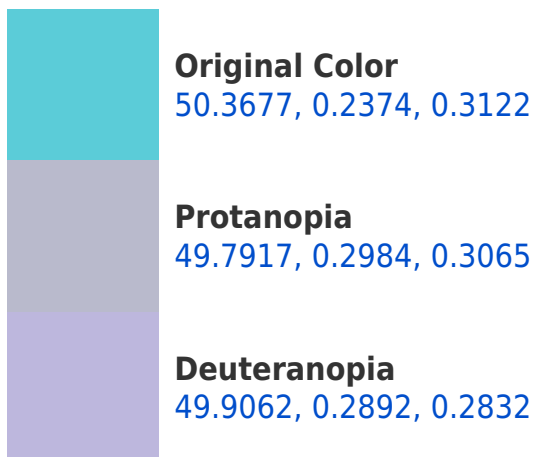


This preview shows how white text looks on a background with the Yxy color 50.3677, 0.2374, 0.3122.

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





Tritanopia

50.2063, 0.2360, 0.3055

Trichromacy



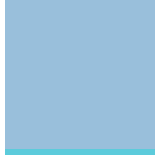
Original Color

50.3677, 0.2374, 0.3122



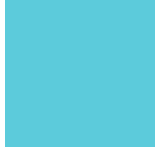
Protanomaly

49.2733, 0.2711, 0.3091



Deuteranomaly

49.1484, 0.2654, 0.2928



Tritanomaly

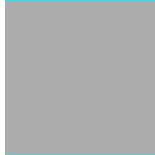
50.1017, 0.2361, 0.3068

Monochromacy



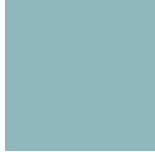
Original Color

50.3677, 0.2374, 0.3122



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.7515, 0.2774, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3677, 0.2374, 0.3122 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, 204, 216)` looks like.

```
.text, #text, p{  
    color:rgb(91, 204, 216)  
}
```

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, 204, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 204, 216) }
```

Border

The CSS property to change the border of an element to Yxy 50.3677, 0.2374, 0.3122 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, 204, 216) }
```

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

```
.border{ border-color:rgb(91, 204, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 204, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 204, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 204, 216);  
box-shadow:4px 4px 4px 4px rgb(91, 204,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3677, 0.2374, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 204, 216) }
```

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

```
.background{ background-color: rgb(91, 204,  
216) }
```

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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