

Converting Colors

$Yxy(50.9702, 0.2413, 0.3246)$

Have a look what the booklet for
Yxy(50.9702, 0.2413, 0.3246)
contains.

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Color

Yxy(50.9702, 0.2413, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	5BCED1
RGB	91, 206, 209
RGB Percent	36%, 81%, 82%
CMY	0.6434, 0.1921, 0.1804
CMYK	0.56, 0.01, 0.00, 0.18
HSL	182°, 56%, 59%
HSV	182°, 56%, 82%
XYZ	37.8900, 50.9702, 68.1644
YIQ	171.9570, -69.5030, -23.4470

Conversions

Conversions Part 2

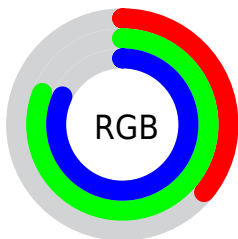
Format	Color
RYB	91, 149, 209
Decimal	6016721
CIELab	76.66, -31.41, -11.33
CIELCh	77, 33.395, 199.835
Yxy	50.9702, 0.2413, 0.3246
Android (android.graphics.Color)	4284206801 (0xFF5BCED1)
YUV	171.9570, 18.2622, -70.9993
Hunter-Lab	71.3934, -30.2046, -6.6330

Details

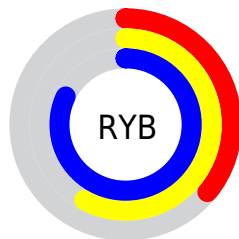
The Yxy color **50.9702, 0.2413, 0.3246** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.3047, 0.4804, 0.3330**, and the grayscale version is **41.1582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **24.5127, 0.2227, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **49.7997, 0.2339, 0.3237**, and if you desaturate by 10%, it is **52.4411, 0.2506, 0.3255**.

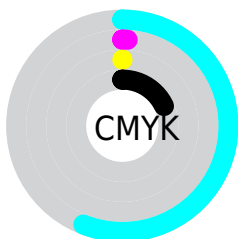
Distribution



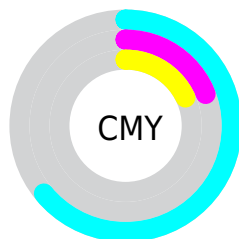
- Red (36%)
- Green (81%)
- Blue (82%)



- Red (36%)
- Yellow (58%)
- Blue (82%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)




- Cyan (64%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9702, 0.2413, 0.3246 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 50.9702, 0.2413, 0.3246 by changing the saturation by 10% instead.


 50.9702, 0.2413,
0.3246

 50.9702, 0.2413,
0.3246

390.4480, 0.2756,
0.3277

 36.1849, 0.2332,
0.3236


 91.6107, 0.2535,
0.3259

 24.5770, 0.2230,
0.3222


 118.2347, 0.2581,
0.3263

 15.7622, 0.2099,
0.3200


 149.5738, 0.2621,
0.3267

 9.3560, 0.1925,
0.3167

 186.0122, 0.2655,
0.3270

 4.9741, 0.1685,
0.3110

227.9344, 0.2685,
0.3272

 2.2321, 0.1337,
0.3000

275.7249, 0.2712,

 0.7374, 0.0000,

0.3274

0.2973

329.7679, 0.2735,
0.3275

0.0000, 0.0000,
0.0000

50.9702, 0.2413,
0.3246

50.9702, 0.2413,
0.3246

49.7997, 0.2339,
0.3237

52.4411, 0.2506,
0.3255

48.8986, 0.2285,
0.3229

54.2289, 0.2616,
0.3263

48.2392, 0.2249,
0.3221

56.3558, 0.2741,
0.3271

47.7841, 0.2230,
0.3212

58.8402, 0.2879,
0.3279

47.6483, 0.2225,
0.3210

61.6995, 0.3027,
0.3286

■ 64.9497, 0.3182,
0.3292

■ 68.6058, 0.3341,
0.3298

■ 72.0805, 0.3477,
0.3304

■ 72.3431, 0.3476,
0.3309

Harmonies

Analogous

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



50.9702, 0.2713, 0.3694



50.9702, 0.2413, 0.3246



50.9702, 0.2297, 0.2854

Triad

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



50.9702, 0.2413, 0.3246



50.9702, 0.3064, 0.2677



50.9702, 0.3912, 0.3939

Complementary

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



50.9702, 0.2413, 0.3246



22.3047, 0.4804, 0.3330

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.



50.9702, 0.4033, 0.3625



50.9702, 0.2413, 0.3246



50.9702, 0.3525, 0.2925

Square

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



50.9702, 0.2413, 0.3246



50.9702, 0.2651, 0.2565



50.9702, 0.3891, 0.3262



50.9702, 0.3578, 0.4104

Rectangle

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



50.9702, 0.2413, 0.3246



50.9702, 0.2331, 0.2678



50.9702, 0.3891, 0.3262



50.9702, 0.3980, 0.3845

Sweetspot

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



50.9721, 0.2413, 0.3246



91.9856, 0.2869, 0.3278



48.6129, 0.3033, 0.5070



19.5110, 0.2840, 0.3276



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.



50.9721, 0.2413, 0.3246



77.7420, 0.2325, 0.3235



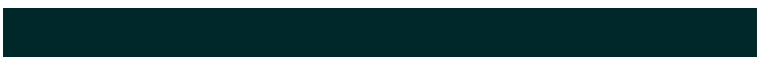
28.0068, 0.2224, 0.2358



13.3535, 0.2983, 0.3284



29.4005, 0.2225, 0.3211



1.6605, 0.2229, 0.3226

Inverse Universe

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



25.4852, 0.3222, 0.1994



34.1744, 0.3240, 0.1798



36.7478, 0.4327, 0.4036



12.0037, 0.3142, 0.3067



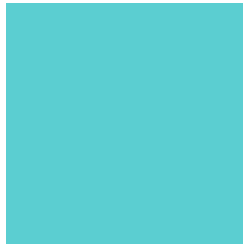
11.0393, 0.3273, 0.1577



0.6189, 0.3260, 0.1570

Previews

White Background



This preview shows how the Yxy color 50.9702, 0.2413, 0.3246 looks on a white background.

Color Contrast Check

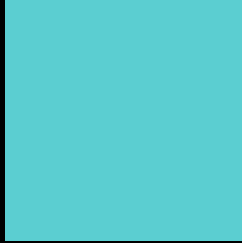
Large Text (above 18pt) WCAG AA × Fail

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 50.9702, 0.2413, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

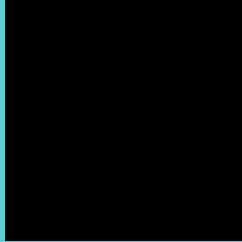
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

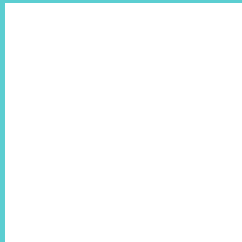
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9702, 0.2413, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 50.9702, 0.2413, 0.3246.

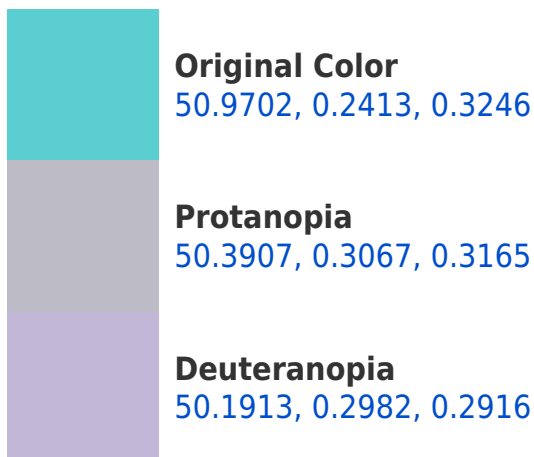


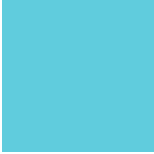
This preview shows how white text looks on a background with the Yxy color 50.9702, 0.2413, 0.3246.

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

50.8930, 0.2370, 0.3056

Trichromacy



Original Color

50.9702, 0.2413, 0.3246

Protanomaly

49.5729, 0.2770, 0.3196

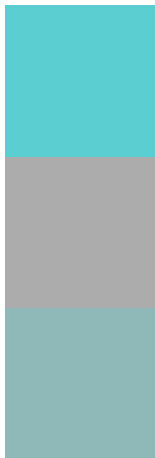
Deuteranomaly

49.1832, 0.2724, 0.3017

Tritanomaly

51.0521, 0.2384, 0.3123

Monochromacy



Original Color

50.9702, 0.2413, 0.3246

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.6234, 0.2795, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9702, 0.2413, 0.3246 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, 206, 209)` looks like.

```
.text, #text, p{  
    color:rgb(91, 206, 209)  
}
```

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, 206, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 206, 209) }
```

Border

The CSS property to change the border of an element to Yxy 50.9702, 0.2413, 0.3246 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, 206, 209) }
```

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

```
.border{ border-color:rgb(91, 206, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 206, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 206, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 206, 209);  
box-shadow:4px 4px 4px 4px rgb(91, 206,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9702, 0.2413, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 206, 209) }
```

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

```
.background{ background-color: rgb(91, 206,  
209) }
```

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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