

Converting Colors

$Y_{xy}(50.9103, 0.2415, 0.3124)$

Have a look what the booklet for
Yxy(50.9103, 0.2415, 0.3124)
contains.

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Color

Yxy(50.9103, 0.2415, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	65CCD8
RGB	101, 204, 216
RGB Percent	40%, 80%, 85%
CMY	0.6037, 0.2000, 0.1530
CMYK	0.53, 0.06, 0.00, 0.15
HSL	186°, 60%, 62%
HSV	186°, 53%, 85%
XYZ	39.3561, 50.9103, 72.6987
YIQ	174.5710, -65.2400, -18.1040

Conversions

Conversions Part 2

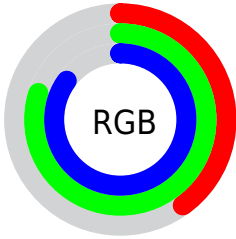
Format	Color
RYB	101, 155, 216
Decimal	6671576
CIELab	76.62, -26.57, -15.11
CIELCh	77, 30.565, 209.620
Yxy	50.9103, 0.2415, 0.3124
Android (android.graphics.Color)	4284861656 (0xFF65CCD8)
YUV	174.5710, 20.4245, -64.5218
Hunter-Lab	71.3515, -26.4079, -10.4635

Details

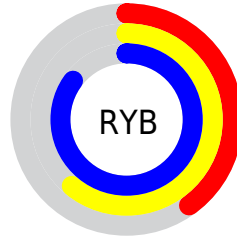
The Yxy color **50.9103, 0.2415, 0.3124** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3536, 0.4594, 0.3436**, and the grayscale version is **42.5623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **24.3752, 0.2232, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **48.7622, 0.2325, 0.3088**, and if you desaturate by 10%, it is **53.4053, 0.2522, 0.3159**.

Distribution



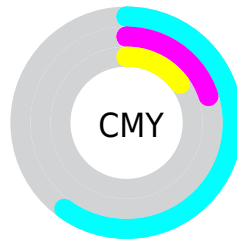
- Red (40%)
- Green (80%)
- Blue (85%)



- Red (40%)
- Yellow (61%)
- Blue (85%)



- Cyan (53%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)





- Cyan (60%)
- Magenta (20%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9103, 0.2415, 0.3124 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 50.9103, 0.2415, 0.3124 by changing the saturation by 10% instead.


 50.9103, 0.2415,
0.3124


 50.9103, 0.2415,
0.3124


390.2152, 0.2756,
0.3215


 36.1372, 0.2334,
0.3099


 91.5222, 0.2536,
0.3159


 24.5402, 0.2234,
0.3067


 118.1298, 0.2582,
0.3171

 15.7348, 0.2105,
0.3022


 149.4510, 0.2622,
0.3181

 9.3367, 0.1934,
0.2957

 185.8702, 0.2656,
0.3190

 4.9614, 0.1698,
0.2855

227.7718, 0.2686,
0.3198

 2.2247, 0.1360,
0.2681

275.5403, 0.2712,

 0.7334, 0.0165,

0.3204

0.2496

329.5599, 0.2736,
0.3210

0.0000, 0.0000,
0.0000

50.9103, 0.2415,
0.3124

50.9103, 0.2415,
0.3124

48.7622, 0.2325,
0.3088

53.4053, 0.2522,
0.3159

46.9288, 0.2254,
0.3052

56.2649, 0.2645,
0.3193

45.3819, 0.2203,
0.3016


59.5123, 0.2781,
0.3225


44.0847, 0.2170,
0.2980


63.1671, 0.2926,
0.3254

43.3043, 0.2154,
0.2956

67.2477, 0.3078,
0.3282

 71.7711, 0.3233,
0.3307

 76.7535, 0.3390,
0.3329

 78.4602, 0.3407,
0.3352

 79.6636, 0.3403,
0.3374

Harmonies

Analogous

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



50.9103, 0.2642, 0.3530



50.9103, 0.2415, 0.3124



50.9103, 0.2367, 0.2804

Triad

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



50.9103, 0.2415, 0.3124



50.9103, 0.3209, 0.2787



50.9103, 0.3766, 0.3956

Complementary

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



50.9103, 0.2415, 0.3124



27.3536, 0.4594, 0.3436

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.



50.9103, 0.3947, 0.3705



50.9103, 0.2415, 0.3124



50.9103, 0.3617, 0.3050

Square

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



50.9103, 0.2415, 0.3124



50.9103, 0.2803, 0.2638



50.9103, 0.3894, 0.3377



50.9103, 0.3417, 0.4037

Rectangle

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



50.9103, 0.2415, 0.3124



50.9103, 0.2439, 0.2675



50.9103, 0.3894, 0.3377



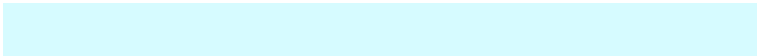
50.9103, 0.3849, 0.3887

Sweetspot

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



50.9122, 0.2415, 0.3124



90.3838, 0.2882, 0.3246



53.0502, 0.2991, 0.4826



19.1064, 0.2852, 0.3240



0.0000, 0.0000, 0.0000



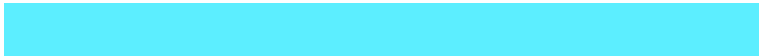
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9122, 0.2415, 0.3124



70.6314, 0.2314, 0.3083



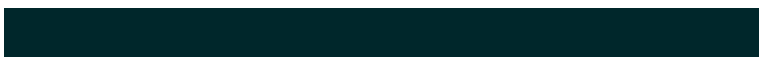
28.6023, 0.2242, 0.2274



13.8764, 0.2983, 0.3265



25.7328, 0.2156, 0.2961



1.6171, 0.2173, 0.3023

Inverse Universe

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



28.2737, 0.3313, 0.2135



35.0525, 0.3360, 0.1947



44.2881, 0.4177, 0.4107



12.6094, 0.3154, 0.3084



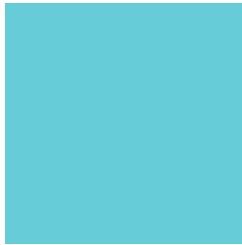
10.9426, 0.3489, 0.1695



0.6666, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 50.9103, 0.2415, 0.3124 looks on a white background.

Color Contrast Check

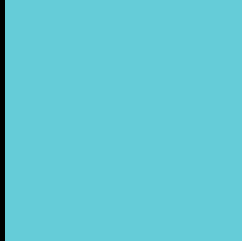
Large Text (above 18pt) WCAG AA × Fail

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 50.9103, 0.2415, 0.3124 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 50.9103, 0.2415, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 50.9103, 0.2415, 0.3124.



This preview shows how white text looks on a background with the Yxy color 50.9103, 0.2415, 0.3124.

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

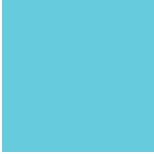
50.9103, 0.2415, 0.3124

Protanopia

50.3875, 0.2984, 0.3066

Deuteranopia

49.9814, 0.2907, 0.2844



Tritanopia

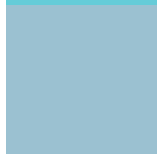
50.7040, 0.2397, 0.3057

Trichromacy



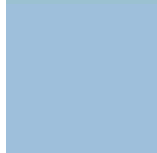
Original Color

50.9103, 0.2415, 0.3124



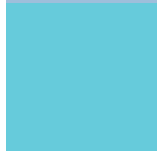
Protanomaly

49.7119, 0.2732, 0.3080



Deuteranomaly

49.6452, 0.2688, 0.2931



Tritanomaly

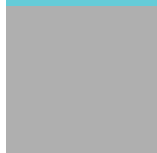
50.6511, 0.2402, 0.3070

Monochromacy



Original Color

50.9103, 0.2415, 0.3124



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.1314, 0.2799, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9103, 0.2415, 0.3124 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(101, 204, 216)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 204, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 204, 216) }
```

Border

The CSS property to change the border of an element to Yxy 50.9103, 0.2415, 0.3124 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(101, 204, 216) }
```

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

```
.border{ border-color:rgb(101, 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(101, 204, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 204, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 204, 216);  
box-shadow:4px 4px 4px 4px rgb(101, 204,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9103, 0.2415, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 204, 216) }
```

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

```
.background{ background-color: rgb(101,  
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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