

Converting Colors

$Y_{xy}(48.5342, 0.2401, 0.3170)$

Have a look what the booklet for
Yxy(48.5342, 0.2401, 0.3170)
contains.

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Color

Yxy(48.6520, 0.2402, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	5CC9D1
RGB	92, 201, 209
RGB Percent	36%, 79%, 82%
CMY	0.6393, 0.2117, 0.1804
CMYK	0.56, 0.04, 0.00, 0.18
HSL	184°, 56%, 59%
HSV	184°, 56%, 82%
XYZ	36.8070, 48.6520, 67.7757
YIQ	169.3210, -67.5320, -20.6200

Conversions

Conversions Part 2

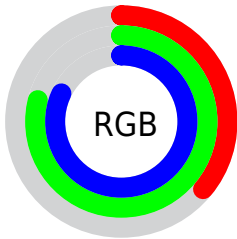
Format	Color
R_{YB}	92, 148, 209
Decimal	6080977
CIE _{Lab}	75.23, -28.80, -13.47
CIE _{LCh}	75, 31.797, 205.055
Yxy	48.6520, 0.2402, 0.3175
Android (android.graphics.Color)	4284271057 (0xFF5CC9D1)
YUV	169.3210, 19.5617, -67.8105
Hunter-Lab	69.7510, -27.8714, -8.7853

Details

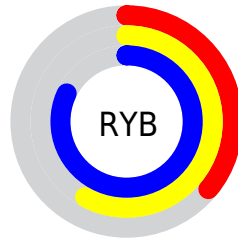
The Yxy color **48.6520, 0.2402, 0.3175** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.4377, 0.4742, 0.3390**, and the grayscale version is **39.7673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **23.2985, 0.2214, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **47.0592, 0.2322, 0.3152**, and if you desaturate by 10%, it is **50.5515, 0.2500, 0.3198**.

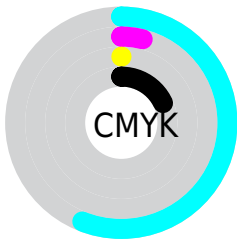
Distribution



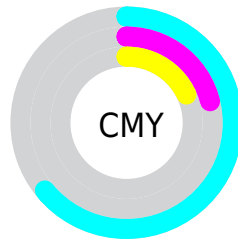
- Red (36%)
- Green (79%)
- Blue (82%)



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



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)




- Cyan (64%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6520, 0.2402, 0.3175 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 48.6520, 0.2402, 0.3175 by changing the saturation by 10% instead.


 48.6520, 0.2402,
0.3175


 48.6520, 0.2402,
0.3175


381.3707, 0.2753,
0.3242


 34.3435, 0.2319,
0.3156


 88.1744, 0.2526,
0.3201

 23.1576, 0.2214,
0.3130


 114.1570, 0.2574,
0.3210

 14.7099, 0.2079,
0.3093


 144.7999, 0.2615,
0.3218

 8.6161, 0.1899,
0.3038

 180.4873, 0.2650,
0.3224

 4.4916, 0.1649,
0.2949

221.6037, 0.2680,
0.3230

 1.9522, 0.1286,
0.2787

268.5335, 0.2707,

 0.5795, 0.0000,

0.3234

0.2532

321.6610, 0.2731,
0.3238

0.0000, 0.0000,
0.0000

48.6520, 0.2402,
0.3175

48.6520, 0.2402,
0.3175

47.0592, 0.2322,
0.3152

50.5515, 0.2500,
0.3198

45.7424, 0.2261,
0.3128

52.7745, 0.2615,
0.3220

44.6744, 0.2219,
0.3105

55.3429, 0.2745,
0.3241


43.8186, 0.2194,
0.3083


58.2751, 0.2886,
0.3261


43.5082, 0.2187,
0.3073

61.5884, 0.3035,
0.3280

 65.2987, 0.3190,
0.3297

 69.4212, 0.3347,
0.3312

 73.1690, 0.3473,
0.3326

 73.8885, 0.3470,
0.3340

Harmonies

Analogous

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



48.6520, 0.2665, 0.3608



48.6520, 0.2402, 0.3175



48.6520, 0.2323, 0.2818

Triad

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



48.6520, 0.2402, 0.3175



48.6520, 0.3144, 0.2729



48.6520, 0.3843, 0.3960

Complementary

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



48.6520, 0.2402, 0.3175



23.4377, 0.4742, 0.3390

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.



48.6520, 0.4001, 0.3675



48.6520, 0.2402, 0.3175



48.6520, 0.3584, 0.2989

Square

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



48.6520, 0.2402, 0.3175



48.6520, 0.2728, 0.2594



48.6520, 0.3907, 0.3325



48.6520, 0.3495, 0.4082

Rectangle

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



48.6520, 0.2402, 0.3175



48.6520, 0.2378, 0.2665



48.6520, 0.3907, 0.3325



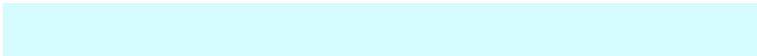
48.6520, 0.3922, 0.3878

Sweetspot

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



48.6539, 0.2402, 0.3175



90.8089, 0.2868, 0.3259



48.7937, 0.3006, 0.4971



19.2298, 0.2839, 0.3255



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.



48.6539, 0.2402, 0.3175



73.4052, 0.2310, 0.3148



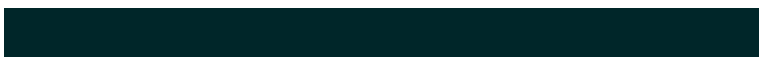
26.4289, 0.2211, 0.2274



13.2629, 0.2983, 0.3274



26.8831, 0.2188, 0.3077



1.5456, 0.2200, 0.3119

Inverse Universe

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



25.4232, 0.3276, 0.2048



34.1144, 0.3311, 0.1862



38.8819, 0.4269, 0.4098



11.9945, 0.3148, 0.3076



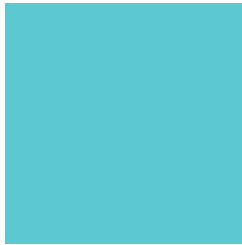
10.7851, 0.3387, 0.1640



0.6073, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 48.6520, 0.2402, 0.3175 looks on a white background.

Color Contrast Check

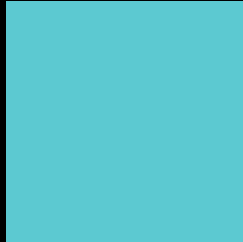
Large Text (above 18pt) WCAG AA × Fail

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 48.6520, 0.2402, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

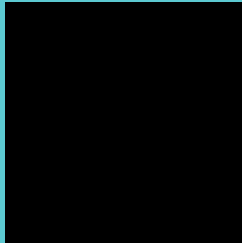
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6520, 0.2402, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 48.6520, 0.2402, 0.3175.

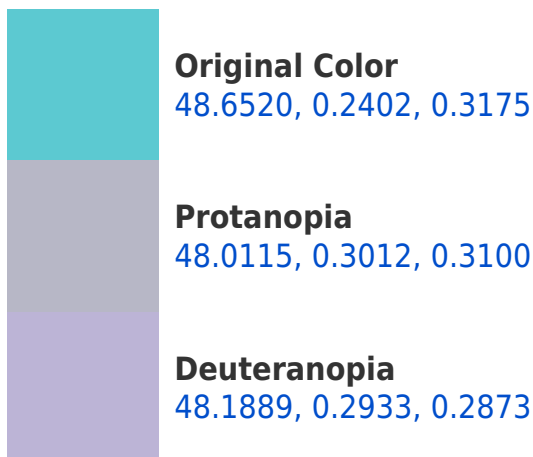


This preview shows how white text looks on a background with the Yxy color 48.6520, 0.2402, 0.3175.

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

48.6993, 0.2378, 0.3066

Trichromacy



Original Color

48.6520, 0.2402, 0.3175

Protanomaly

47.5752, 0.2739, 0.3128

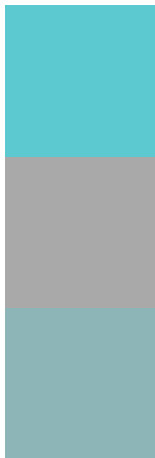
Deuteranomaly

47.4922, 0.2693, 0.2974

Tritanomaly

48.4923, 0.2388, 0.3106

Monochromacy



Original Color

48.6520, 0.2402, 0.3175

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.1712, 0.2783, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6520, 0.2402, 0.3175 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(92, 201, 209)` looks like.

```
.text, #text, p{  
    color:rgb(92, 201, 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(92, 201, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 201, 209) }
```

Border

The CSS property to change the border of an element to Yxy 48.6520, 0.2402, 0.3175 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(92, 201, 209) }
```

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

```
.border{ border-color:rgb(92, 201, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 201, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 201, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 201, 209);  
box-shadow:4px 4px 4px 4px rgb(92, 201,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6520, 0.2402, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 201, 209) }
```

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

```
.background{ background-color: rgb(92, 201,  
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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