

Converting Colors

$Y_{xy}(45.8952, 0.2508, 0.3217)$

Have a look what the booklet for
Yxy(45.8952, 0.2508, 0.3217)
contains.

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Color

Yxy(45.8952, 0.2508, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	6CC2C7
RGB	108, 194, 199
RGB Percent	42%, 76%, 78%
CMY	0.5765, 0.2392, 0.2197
CMYK	0.46, 0.02, 0.00, 0.22
HSL	183°, 45%, 60%
HSV	183°, 46%, 78%
XYZ	35.7803, 45.8952, 60.9891
YIQ	168.8560, -52.8610, -16.6770

Conversions

Conversions Part 2

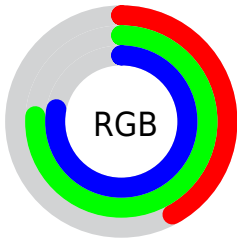
Format	Color
RYB	108, 152, 199
Decimal	7127751
CIELab	73.48, -24.65, -10.59
CIElCh	73, 26.832, 203.253
Yxy	45.8952, 0.2508, 0.3217
Android (android.graphics.Color)	4285317831 (0xFF6CC2C7)
YUV	168.8560, 14.8610, -53.3707
Hunter-Lab	67.7460, -24.2801, -5.9543

Details

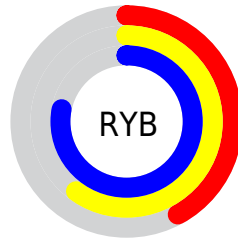
The Yxy color **45.8952, 0.2508, 0.3217** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.0190, 0.4316, 0.3359**, and the grayscale version is **39.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2137, 0.2622, 0.3245**, and **21.4535, 0.2341, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **44.3073, 0.2411, 0.3199**, and if you desaturate by 10%, it is **47.7749, 0.2622, 0.3235**.

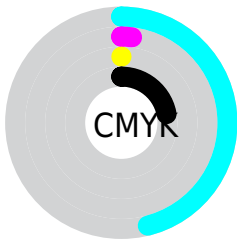
Distribution



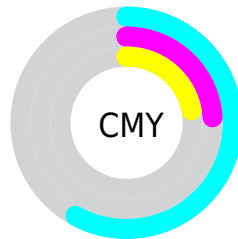
- Red (42%)
- Green (76%)
- Blue (78%)



- Red (42%)
- Yellow (60%)
- Blue (78%)



- Cyan (46%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)





- Cyan (58%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8952, 0.2508, 0.3217 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 45.8952, 0.2508, 0.3217 by changing the saturation by 10% instead.


 45.8952, 0.2508,
0.3217


 45.8952, 0.2508,
0.3217


370.3872, 0.2812,
0.3261


 32.1631, 0.2434,
0.3204


 84.0621, 0.2617,
0.3234

 21.4861, 0.2340,
0.3186


 109.2658, 0.2658,
0.3240

 13.4798, 0.2218,
0.3160


 139.0621, 0.2694,
0.3245

 7.7598, 0.2052,
0.3121

173.8354, 0.2724,
0.3249

 3.9416, 0.1815,
0.3054

213.9702, 0.2750,
0.3253

 1.6410, 0.1455,
0.2925

259.8508, 0.2773,

 0.3850, 0.0000,

0.3256

0.2471

311.8617, 0.2794,
0.3258

0.0000, 0.0000,
0.0000

45.8952, 0.2508,
0.3217

45.8952, 0.2508,
0.3217

44.3073, 0.2411,
0.3199

47.7749, 0.2622,
0.3235

42.9861, 0.2332,
0.3180

49.9587, 0.2750,
0.3251

41.9114, 0.2272,
0.3162


52.4648, 0.2890,
0.3267


41.0574, 0.2231,
0.3144

55.3084, 0.3039,
0.3282

40.3923, 0.2207,
0.3126


58.5037, 0.3194,
0.3296

 40.1390, 0.2200,
0.3118

 62.0640, 0.3351,
0.3308

 66.0020, 0.3509,
0.3319

 67.9500, 0.3569,
0.3330

 68.4636, 0.3566,
0.3341

Harmonies

Analogous

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



45.8952, 0.2748, 0.3584



45.8952, 0.2508, 0.3217



45.8952, 0.2427, 0.2901

Triad

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



45.8952, 0.2508, 0.3217



45.8952, 0.3121, 0.2790



45.8952, 0.3760, 0.3860

Complementary

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



45.8952, 0.2508, 0.3217



25.0190, 0.4316, 0.3359

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.



45.8952, 0.3880, 0.3612



45.8952, 0.2508, 0.3217



45.8952, 0.3500, 0.3014

Square

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



45.8952, 0.2508, 0.3217



45.8952, 0.2764, 0.2681



45.8952, 0.3785, 0.3307



45.8952, 0.3469, 0.3968

Rectangle

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



45.8952, 0.2508, 0.3217



45.8952, 0.2469, 0.2760



45.8952, 0.3785, 0.3307



45.8952, 0.3822, 0.3789

Sweetspot

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



45.8970, 0.2508, 0.3217



92.6101, 0.2913, 0.3270



45.2036, 0.3034, 0.4641



19.6018, 0.2881, 0.3266



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.



45.8970, 0.2508, 0.3217



77.5823, 0.2410, 0.3199



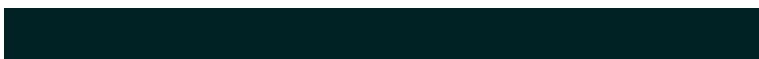
28.7813, 0.2385, 0.2522



11.9645, 0.2984, 0.3277



25.8604, 0.2200, 0.3121



1.2555, 0.2211, 0.3158

Inverse Universe

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



26.7551, 0.3232, 0.2238



40.2014, 0.3257, 0.2040



37.6838, 0.4026, 0.3942



10.8062, 0.3146, 0.3075



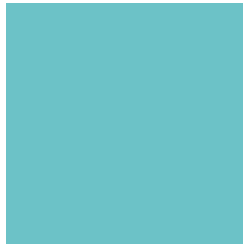
10.1506, 0.3349, 0.1619



0.4838, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 45.8952, 0.2508, 0.3217 looks on a white background.

Color Contrast Check

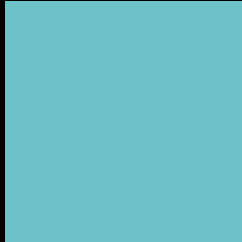
Large Text (above 18pt) WCAG AA × Fail

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 45.8952, 0.2508, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

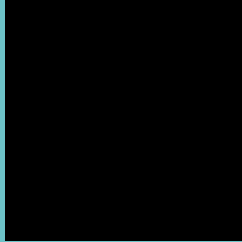
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

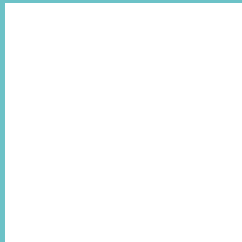
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8952, 0.2508, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 45.8952, 0.2508, 0.3217.



This preview shows how white text looks on a background with the Yxy color 45.8952, 0.2508, 0.3217.

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

45.8952, 0.2508, 0.3217

Protanopia

45.2182, 0.3057, 0.3147

Deuteranopia

45.4108, 0.2999, 0.2937



Tritanopia

46.0735, 0.2472, 0.3078

Trichromacy



Original Color

45.8952, 0.2508, 0.3217

Protanomaly

45.0013, 0.2821, 0.3166

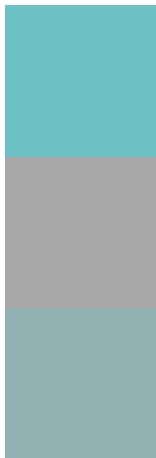
Deuteranomaly

44.9893, 0.2787, 0.3022

Tritanomaly

45.8627, 0.2483, 0.3118

Monochromacy



Original Color

45.8952, 0.2508, 0.3217

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3391, 0.2855, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8952, 0.2508, 0.3217 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(108, 194, 199)` looks like.

```
.text, #text, p{  
    color:rgb(108, 194, 199)  
}
```

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(108, 194, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 194, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.8952, 0.2508, 0.3217 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(108, 194, 199) }
```

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

```
.border{ border-color:rgb(108, 194, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 194, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 194, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 194, 199); box-shadow:4px 4px 4px 4px rgb(108, 194, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8952, 0.2508, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 194, 199) }
```

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

```
.background{ background-color: rgb(108,  
194, 199) }
```

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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