

Converting Colors

$Y_{xy}(45.2648, 0.2492, 0.3149)$

Have a look what the booklet for
Yxy(45.2648, 0.2492, 0.3149)
contains.

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Color

Yxy(45.2148, 0.2492, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	6DC0CA
RGB	109, 192, 202
RGB Percent	43%, 75%, 79%
CMY	0.5722, 0.2471, 0.2078
CMYK	0.46, 0.05, 0.00, 0.21
HSL	186°, 47%, 61%
HSV	186°, 46%, 79%
XYZ	35.8268, 45.2148, 62.7257
YIQ	168.3230, -52.6780, -14.4860

Conversions

Conversions Part 2

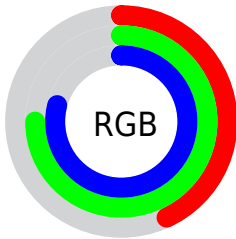
Format	Color
R _{YB}	109, 153, 202
Decimal	7192778
CIE Lab	73.03, -22.58, -12.91
CIE LCh	73, 26.011, 209.756
Yxy	45.2148, 0.2492, 0.3145
Android (android.graphics.Color)	4285382858 (0xFF6DC0CA)
YUV	168.3230, 16.6028, -52.0263
Hunter-Lab	67.2420, -22.5679, -8.2384

Details

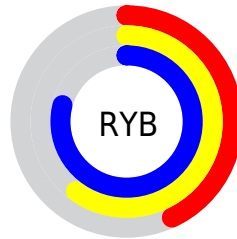
The Yxy color **45.2148, 0.2492, 0.3145** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8881, 0.4296, 0.3424**, and the grayscale version is **39.2728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0784, 0.2624, 0.3222**, and **20.9932, 0.2317, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **43.1276, 0.2389, 0.3109**, and if you desaturate by 10%, it is **47.6142, 0.2611, 0.3180**.

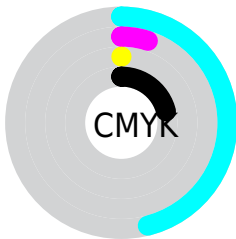
Distribution



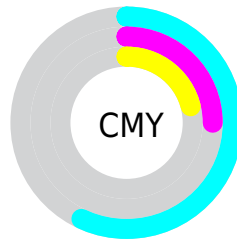
- Red (43%)
- Green (75%)
- Blue (79%)



- Red (43%)
- Yellow (60%)
- Blue (79%)



- Cyan (46%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)




- Cyan (57%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2148, 0.2492, 0.3145 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 45.2148, 0.2492, 0.3145 by changing the saturation by 10% instead.

 45.2148, 0.2492,
0.3145


 45.2148, 0.2492,
0.3145


367.6428, 0.2804,
0.3225

 31.6266, 0.2416,
0.3123


 83.0426, 0.2604,
0.3176

 21.0765, 0.2320,
0.3093


 108.0511, 0.2646,
0.3187

 13.1799, 0.2195,
0.3051


 137.6352, 0.2683,
0.3196

 7.5526, 0.2025,
0.2990

172.1792, 0.2714,
0.3204

 3.8100, 0.1783,
0.2890

212.0676, 0.2741,
0.3210

 1.5679, 0.1418,
0.2710

257.6847, 0.2764,

 0.3358, 0.0000,

0.3216

0.2051

309.4150, 0.2785,
0.3221

0.0000, 0.0000,
0.0000

45.2148, 0.2492,
0.3145

45.2148, 0.2492,
0.3145

43.1276, 0.2389,
0.3109

47.6142, 0.2611,
0.3180

41.3268, 0.2304,
0.3071

50.3390, 0.2743,
0.3214

39.7911, 0.2238,
0.3034

53.4082, 0.2885,
0.3245

38.4936, 0.2190,
0.2996


56.8374, 0.3035,
0.3274

37.4007, 0.2161,
0.2960

60.6415, 0.3189,
0.3300

 36.9944, 0.2151,
0.2945

 64.8345, 0.3345,
0.3324

 69.4296, 0.3500,
0.3345

 71.3372, 0.3531,
0.3367

 72.4173, 0.3527,
0.3389

Harmonies

Analogous

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



45.2148, 0.2696, 0.3501



45.2148, 0.2492, 0.3145



45.2148, 0.2449, 0.2860

Triad

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



45.2148, 0.2492, 0.3145



45.2148, 0.3203, 0.2841



45.2148, 0.3694, 0.3883

Complementary

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



45.2148, 0.2492, 0.3145



26.8881, 0.4296, 0.3424

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.



45.2148, 0.3853, 0.3665



45.2148, 0.2492, 0.3145



45.2148, 0.3562, 0.3079

Square

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



45.2148, 0.2492, 0.3145



45.2148, 0.2842, 0.2708



45.2148, 0.3806, 0.3373



45.2148, 0.3386, 0.3947

Rectangle

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



45.2148, 0.2492, 0.3145



45.2148, 0.2514, 0.2743



45.2148, 0.3806, 0.3373



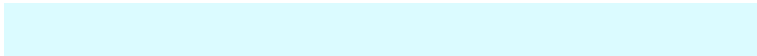
45.2148, 0.3767, 0.3824

Sweetspot

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



45.2165, 0.2492, 0.3145



91.4130, 0.2912, 0.3250



46.8233, 0.3006, 0.4580



19.3068, 0.2880, 0.3244



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.



45.2165, 0.2492, 0.3145



73.0882, 0.2391, 0.3109



28.1616, 0.2367, 0.2441



12.5121, 0.2983, 0.3264



23.8806, 0.2153, 0.2950



1.2926, 0.2173, 0.3022

Inverse Universe

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



27.3218, 0.3287, 0.2282



39.7477, 0.3328, 0.2098



40.5206, 0.4005, 0.4002



11.3821, 0.3154, 0.3086



10.2138, 0.3499, 0.1701



0.5330, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 45.2148, 0.2492, 0.3145 looks on a white background.

Color Contrast Check

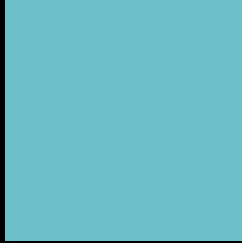
Large Text (above 18pt) WCAG AA × Fail

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 45.2148, 0.2492, 0.3145 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

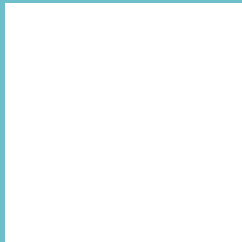
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2148, 0.2492, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 45.2148, 0.2492, 0.3145.

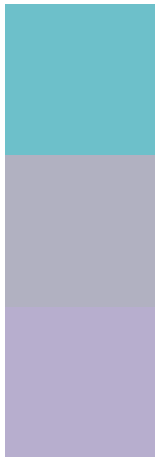


This preview shows how white text looks on a background with the Yxy color 45.2148, 0.2492, 0.3145.

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

45.2148, 0.2492, 0.3145

Protanopia

44.6416, 0.3001, 0.3081

Deuteranopia

44.7956, 0.2951, 0.2886



Tritanopia

45.1461, 0.2472, 0.3062

Trichromacy



Original Color

45.2148, 0.2492, 0.3145

Protanomaly

44.1168, 0.2784, 0.3098

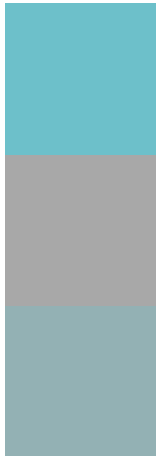
Deuteranomaly

44.5234, 0.2751, 0.2969

Tritanomaly

44.9844, 0.2478, 0.3090

Monochromacy



Original Color

45.2148, 0.2492, 0.3145

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.9426, 0.2854, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2148, 0.2492, 0.3145 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(109, 192, 202)` looks like.

```
.text, #text, p{  
    color:rgb(109, 192, 202)  
}
```

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(109, 192, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 192, 202) }
```

Border

The CSS property to change the border of an element to Yxy 45.2148, 0.2492, 0.3145 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(109, 192, 202) }
```

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

```
.border{ border-color:rgb(109, 192, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 192, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 192, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 192, 202);  
box-shadow:4px 4px 4px 4px rgb(109, 192,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2148, 0.2492, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 192, 202) }
```

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

```
.background{ background-color: rgb(109,  
192, 202) }
```

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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