

Converting Colors

$Yxy(45.9234, 0.2557, 0.3288)$

Have a look what the booklet for
Yxy(45.9234, 0.2557, 0.3288)
contains.

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Color

Yxy(45.9234, 0.2557, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	70C2C2
RGB	112, 194, 194
RGB Percent	44%, 76%, 76%
CMY	0.5608, 0.2392, 0.2391
CMYK	0.42, 0.00, 0.00, 0.24
HSL	180°, 40%, 60%
HSV	180°, 42%, 76%
XYZ	35.7135, 45.9234, 58.0328
YIQ	169.4820, -48.8720, -17.3840

Conversions

Conversions Part 2

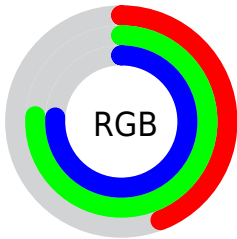
Format	Color
R _Y B	112, 153, 194
Decimal	7389890
CIE Lab	73.50, -24.96, -7.85
CIE LCh	73, 26.163, 197.468
Yxy	45.9234, 0.2557, 0.3288
Android (android.graphics.Color)	4285579970 (0xFF70C2C2)
YUV	169.4820, 12.0874, -50.4117
Hunter-Lab	67.7668, -24.5213, -3.3368

Details

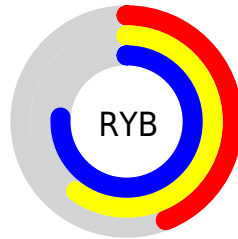
The Yxy color **45.9234, 0.2557, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.2364, 0.4209, 0.3293**, and the grayscale version is **39.8864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2213, 0.2660, 0.3300**, and **21.4618, 0.2403, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **44.7844, 0.2460, 0.3288**, and if you desaturate by 10%, it is **47.3402, 0.2671, 0.3288**.

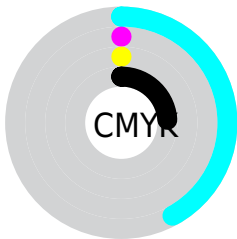
Distribution



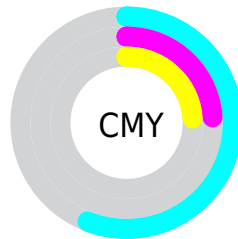
- Red (44%)
- Green (76%)
- Blue (76%)



- Red (44%)
- Yellow (60%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)




- Cyan (56%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9234, 0.2557, 0.3288 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 45.9234, 0.2557, 0.3288 by changing the saturation by 10% instead.


 45.9234, 0.2557,
0.3288


 45.9234, 0.2557,
0.3288

370.5006, 0.2838,
0.3295


 32.1854, 0.2488,
0.3285


 84.1043, 0.2658,
0.3292

 21.5031, 0.2401,
0.3279


 109.3161, 0.2696,
0.3293

 13.4923, 0.2286,
0.3270


 139.1211, 0.2729,
0.3293

 7.7684, 0.2130,
0.3255

173.9040, 0.2757,
0.3294

 3.9471, 0.1905,
0.3224

214.0489, 0.2781,
0.3294

 1.6440, 0.1557,
0.3156

259.9404, 0.2802,

 0.3870, 0.0000,

0.3294

0.2851

311.9628, 0.2821,
0.3295

0.0000, 0.0000,
0.0000

45.9234, 0.2557,
0.3288

45.9234, 0.2557,
0.3288

44.7844, 0.2460,
0.3288

47.3402, 0.2671,
0.3288

43.9001, 0.2381,
0.3287

49.0456, 0.2800,
0.3289

43.2523, 0.2321,
0.3287


51.0563, 0.2942,
0.3289

42.8182, 0.2280,
0.3287

53.3864, 0.3092,
0.3290

42.5707, 0.2256,
0.3287

56.0487, 0.3249,
0.3290

 42.4675, 0.2246,
0.3287

 59.0557, 0.3409,
0.3291

 62.4191, 0.3569,
0.3291

 63.7575, 0.3628,
0.3292

 63.7597, 0.3628,
0.3292

Harmonies

Analogous

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



45.9234, 0.2817, 0.3640



45.9234, 0.2557, 0.3288



45.9234, 0.2446, 0.2962

Triad

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



45.9234, 0.2557, 0.3288



45.9234, 0.3049, 0.2772



45.9234, 0.3782, 0.3808

Complementary

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



45.9234, 0.2557, 0.3288



24.2364, 0.4209, 0.3293

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.



45.9234, 0.3860, 0.3550



45.9234, 0.2557, 0.3288



45.9234, 0.3423, 0.2971

Square

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



45.9234, 0.2557, 0.3288



45.9234, 0.2717, 0.2690



45.9234, 0.3727, 0.3249



45.9234, 0.3525, 0.3945

Rectangle

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



45.9234, 0.2557, 0.3288



45.9234, 0.2465, 0.2807



45.9234, 0.3727, 0.3249



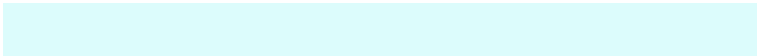
45.9234, 0.3831, 0.3732

Sweetspot

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



45.9252, 0.2557, 0.3288



92.1136, 0.2928, 0.3289



43.2084, 0.3066, 0.4584



19.9843, 0.2896, 0.3289



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.



45.9252, 0.2557, 0.3288



81.2030, 0.2464, 0.3288



30.1281, 0.2454, 0.2658



11.4280, 0.2985, 0.3290



27.9143, 0.2246, 0.3287



1.2062, 0.2246, 0.3287

Inverse Universe

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



26.9569, 0.3175, 0.2265



42.1747, 0.3185, 0.2063



35.4292, 0.3965, 0.3841



10.2475, 0.3138, 0.3063



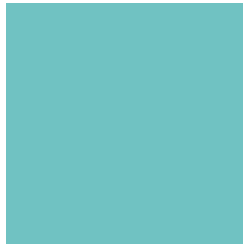
10.1002, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 45.9234, 0.2557, 0.3288 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 45.9234, 0.2557, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

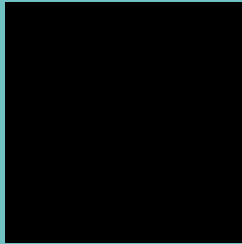
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

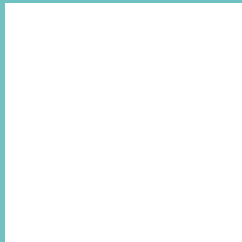
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9234, 0.2557, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 45.9234, 0.2557, 0.3288.

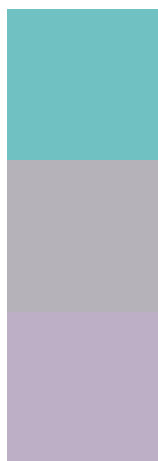


This preview shows how white text looks on a background with the Yxy color 45.9234, 0.2557, 0.3288.

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

45.9234, 0.2557, 0.3288

Protanopia

45.5667, 0.3097, 0.3212

Deuteranopia

45.4285, 0.3055, 0.3000



Tritanopia

45.9173, 0.2502, 0.3078

Trichromacy



Original Color

45.9234, 0.2557, 0.3288

Protanomaly

44.9797, 0.2871, 0.3235

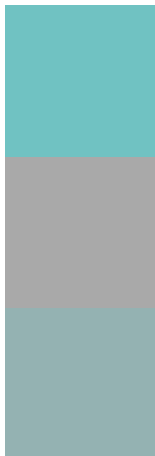
Deuteranomaly

44.9607, 0.2837, 0.3088

Tritanomaly

46.0490, 0.2526, 0.3161

Monochromacy



Original Color

45.9234, 0.2557, 0.3288

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3510, 0.2877, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9234, 0.2557, 0.3288 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(112, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 194)  
}
```

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(112, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.9234, 0.2557, 0.3288 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(112, 194, 194) }
```

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

```
.border{ border-color:rgb(112, 194, 194) }
```

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

Here you see how a box with a 4 pixel rgb(112, 194, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9234, 0.2557, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 194) }
```

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

```
.background{ background-color: rgb(112,  
194, 194) }
```

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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