

Converting Colors

$Y_{xy}(45.7129, 0.2393, 0.2951)$

Have a look what the booklet for
Yxy(45.7129, 0.2393, 0.2951)
contains.

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Color

$\text{Yxy}(45.6002, 0.2394, 0.2954)$

Conversions

Conversions Part 1

Format	Color
Hex	68C0D8
RGB	104, 192, 216
RGB Percent	41%, 75%, 85%
CMY	0.5920, 0.2471, 0.1530
CMYK	0.52, 0.11, 0.00, 0.15
HSL	193°, 59%, 63%
HSV	193°, 52%, 85%
XYZ	36.9556, 45.6002, 71.8118
YIQ	168.4240, -60.1520, -11.1920

Conversions

Conversions Part 2

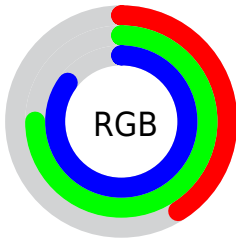
Format	Color
RYB	104, 153, 216
Decimal	6865112
CIELab	73.29, -19.91, -20.15
CIELCh	73, 28.330, 225.338
Yxy	45.6002, 0.2394, 0.2954
Android (android.graphics.Color)	4285055192 (0xFF68C0D8)
YUV	168.4240, 23.4550, -56.4998
Hunter-Lab	67.5279, -20.4872, -15.7818

Details

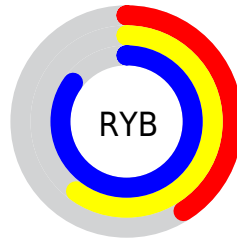
The Yxy color **45.6002, 0.2394, 0.2954** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.0460, 0.4448, 0.3583**, and the grayscale version is **39.2876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6527, 0.2605, 0.3222**, and **21.2013, 0.2200, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **42.4691, 0.2287, 0.2877**, and if you desaturate by 10%, it is **49.1297, 0.2516, 0.3028**.

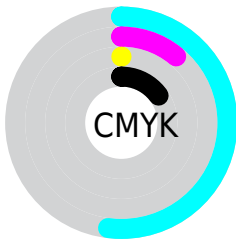
Distribution



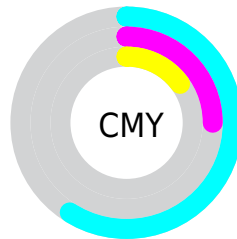
- Red (41%)
- Green (75%)
- Blue (85%)



- Red (41%)
- Yellow (60%)
- Blue (85%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6002, 0.2394, 0.2954 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 45.6002, 0.2394, 0.2954 by changing the saturation by 10% instead.


 45.6002, 0.2394,
0.2954

 45.6002, 0.2394,
0.2954


369.1990, 0.2751,
0.3130

 31.9304, 0.2309,
0.2908


 83.6203, 0.2521,
0.3020


 21.3084, 0.2201,
0.2848


 108.7395, 0.2570,
0.3044

 13.3496, 0.2062,
0.2768


 138.4440, 0.2611,
0.3064

 7.6697, 0.1877,
0.2653

 173.1181, 0.2647,
0.3081

 3.8843, 0.1620,
0.2481

213.1462, 0.2678,
0.3096

 1.6091, 0.1248,
0.2198

258.9128, 0.2705,

 0.3637, 0.0000,

0.3109

0.1493

310.8023, 0.2729,
0.3120

0.0000, 0.0000,
0.0000

45.6002, 0.2394,
0.2954

45.6002, 0.2394,
0.2954

42.4691, 0.2287,
0.2877

49.1297, 0.2516,
0.3028

39.7048, 0.2198,
0.2799

53.0761, 0.2651,
0.3098

37.2789, 0.2129,
0.2720

57.4626, 0.2795,
0.3164

35.1553, 0.2079,
0.2641

62.3093, 0.2946,
0.3225


33.5945, 0.2049,
0.2577

67.6346, 0.3099,
0.3280

 73.4560, 0.3253,
0.3331

 79.7447, 0.3403,
0.3375

 82.2728, 0.3396,
0.3421

 84.8692, 0.3389,
0.3467

Harmonies

Analogous

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



45.6002, 0.2525, 0.3314



45.6002, 0.2394, 0.2954



45.6002, 0.2442, 0.2719

Triad

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



45.6002, 0.2394, 0.2954



45.6002, 0.3420, 0.2927



45.6002, 0.3581, 0.3997

Complementary

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



45.6002, 0.2394, 0.2954



31.0460, 0.4448, 0.3583

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.



45.6002, 0.3850, 0.3833



45.6002, 0.2394, 0.2954



45.6002, 0.3760, 0.3221

Square

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



45.6002, 0.2394, 0.2954



45.6002, 0.3013, 0.2720



45.6002, 0.3920, 0.3545



45.6002, 0.3200, 0.3957

Rectangle

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



45.6002, 0.2394, 0.2954



45.6002, 0.2571, 0.2650



45.6002, 0.3920, 0.3545



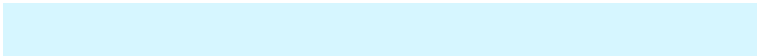
45.6002, 0.3688, 0.3961

Sweetspot

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



45.6019, 0.2394, 0.2954



87.6136, 0.2880, 0.3199



53.5699, 0.2935, 0.4616



18.4401, 0.2849, 0.3187



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.



45.6019, 0.2394, 0.2954



61.5306, 0.2280, 0.2871



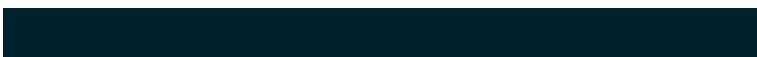
25.9741, 0.2231, 0.2135



13.6351, 0.2982, 0.3239



20.0497, 0.2053, 0.2589



1.3245, 0.2090, 0.2724

Inverse Universe

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



28.3131, 0.3446, 0.2280



35.0176, 0.3534, 0.2113



49.2205, 0.4073, 0.4209



12.5850, 0.3170, 0.3109



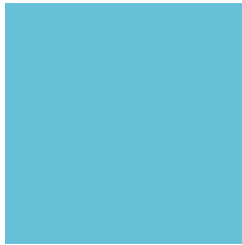
10.3689, 0.3834, 0.1886



0.6370, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 45.6002, 0.2394, 0.2954 looks on a white background.

Color Contrast Check

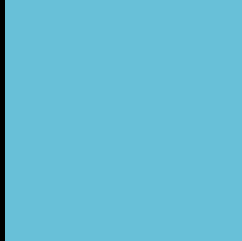
Large Text (above 18pt) WCAG AA × Fail

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 45.6002, 0.2394, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

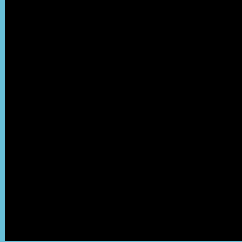
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6002, 0.2394, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 45.6002, 0.2394, 0.2954.



This preview shows how white text looks on a background with the Yxy color 45.6002, 0.2394, 0.2954.

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

45.6002, 0.2394, 0.2954

Protanopia

45.2957, 0.2879, 0.2930

Deuteranopia

45.0574, 0.2794, 0.2728



Tritanopia

45.5682, 0.2423, 0.3061

Trichromacy



Original Color

45.6002, 0.2394, 0.2954

Protanomaly

44.9097, 0.2671, 0.2929

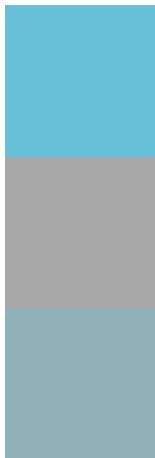
Deuteranomaly

44.6463, 0.2619, 0.2791

Tritanomaly

45.7770, 0.2412, 0.3021

Monochromacy



Original Color

45.6002, 0.2394, 0.2954

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.9668, 0.2802, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6002, 0.2394, 0.2954 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(104, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(104, 192, 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(104, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 192, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.6002, 0.2394, 0.2954 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(104, 192, 216) }
```

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

```
.border{ border-color:rgb(104, 192, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(104, 192,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6002, 0.2394, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 192, 216) }
```

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

```
.background{ background-color: rgb(104,  
192, 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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