

Converting Colors

$Yxy(45.4238, 0.2380, 0.2953)$

Have a look what the booklet for
Yxy(45.4238, 0.2380, 0.2953)
contains.

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Color

Yxy(45.4238, 0.2380, 0.2953)

Conversions

Conversions Part 1

Format	Color
Hex	65C0D8
RGB	101, 192, 216
RGB Percent	40%, 75%, 85%
CMY	0.6039, 0.2470, 0.1530
CMYK	0.53, 0.11, 0.00, 0.15
HSL	193°, 60%, 62%
HSV	193°, 53%, 85%
XYZ	36.6098, 45.4238, 71.7890
YIQ	167.5270, -61.9400, -11.8280

Conversions

Conversions Part 2

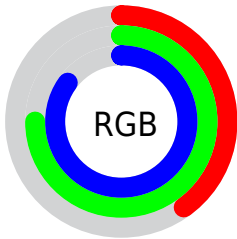
Format	Color
RYB	101, 152, 216
Decimal	6668504
CIELab	73.17, -20.56, -20.33
CIElCh	73, 28.914, 224.680
Yxy	45.4238, 0.2380, 0.2953
Android (android.graphics.Color)	4284858584 (0xFF65C0D8)
YUV	167.5270, 23.8972, -58.3442
Hunter-Lab	67.3972, -20.9849, -15.9755

Details

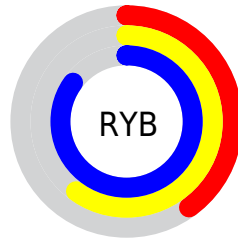
The Yxy color **45.4238, 0.2380, 0.2953** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2008, 0.4505, 0.3581**, and the grayscale version is **38.8200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3423, 0.2591, 0.3222**, and **21.1075, 0.2183, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **42.3902, 0.2276, 0.2878**, and if you desaturate by 10%, it is **48.8489, 0.2500, 0.3025**.

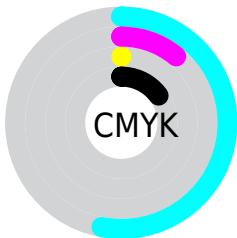
Distribution



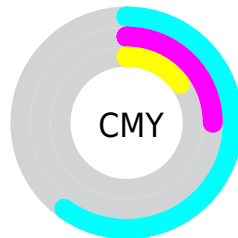
- Red (40%)
- Green (75%)
- Blue (85%)



- Red (40%)
- Yellow (60%)
- Blue (85%)



- Cyan (53%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)





- Cyan (60%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4238, 0.2380, 0.2953 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 45.4238, 0.2380, 0.2953 by changing the saturation by 10% instead.


 45.4238, 0.2380,
0.2953


 45.4238, 0.2380,
0.2953


368.4873, 0.2744,
0.3130

 31.7914, 0.2293,
0.2907


 83.3560, 0.2510,
0.3019

 21.2022, 0.2184,
0.2846


 108.4246, 0.2559,
0.3043

 13.2719, 0.2042,
0.2765


 138.0740, 0.2601,
0.3064

 7.6160, 0.1854,
0.2649

 172.6886, 0.2637,
0.3081

 3.8503, 0.1593,
0.2474

212.6528, 0.2669,
0.3096

 1.5902, 0.1217,
0.2188

258.3511, 0.2697,

 0.3509, 0.0000,

0.3109

0.1449

310.1678, 0.2722,
0.3120

0.0000, 0.0000,
0.0000

45.4238, 0.2380,
0.2953

45.4238, 0.2380,
0.2953

42.3902, 0.2276,
0.2878

48.8489, 0.2500,
0.3025

39.7162, 0.2191,
0.2802

52.6843, 0.2632,
0.3094

37.3726, 0.2125,
0.2725

56.9535, 0.2775,
0.3159

35.3224, 0.2079,
0.2649

61.6766, 0.2924,
0.3219

34.0589, 0.2055,
0.2598

66.8723, 0.3077,
0.3273

72.5582, 0.3231,
0.3323

78.7509, 0.3384,
0.3367

81.7243, 0.3397,
0.3412

84.2355, 0.3391,
0.3456

Harmonies

Analogous

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



45.4238, 0.2517, 0.3323



45.4238, 0.2380, 0.2953



45.4238, 0.2425, 0.2710

Triad

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



45.4238, 0.2380, 0.2953



45.4238, 0.3417, 0.2914



45.4238, 0.3598, 0.4011

Complementary

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



45.4238, 0.2380, 0.2953



30.2008, 0.4505, 0.3581

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.



45.4238, 0.3870, 0.3838



45.4238, 0.2380, 0.2953



45.4238, 0.3768, 0.3211

Square

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



45.4238, 0.2380, 0.2953



45.4238, 0.3002, 0.2706



45.4238, 0.3937, 0.3543



45.4238, 0.3210, 0.3976

Rectangle

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



45.4238, 0.2380, 0.2953



45.4238, 0.2554, 0.2638



45.4238, 0.3937, 0.3543



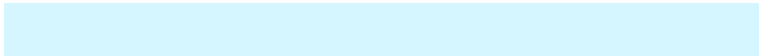
45.4238, 0.3707, 0.3973

Sweetspot

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



45.4255, 0.2380, 0.2953



87.7570, 0.2880, 0.3202



53.3242, 0.2931, 0.4658



18.4746, 0.2849, 0.3189



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.



45.4255, 0.2380, 0.2953



61.1795, 0.2264, 0.2868



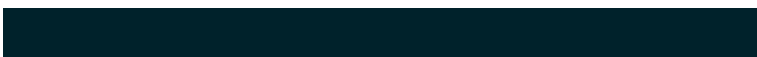
25.1938, 0.2206, 0.2098



13.6476, 0.2982, 0.3240



20.3239, 0.2058, 0.2609



1.3388, 0.2095, 0.2740

Inverse Universe

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



27.7123, 0.3449, 0.2250



34.0983, 0.3540, 0.2078



48.7832, 0.4101, 0.4231



12.5863, 0.3169, 0.3107



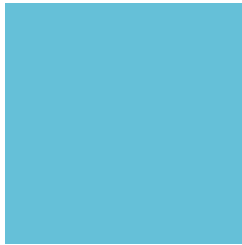
10.3966, 0.3815, 0.1875



0.6385, 0.3690, 0.1807

Previews

White Background



This preview shows how the Yxy color 45.4238, 0.2380, 0.2953 looks on a white background.

Color Contrast Check

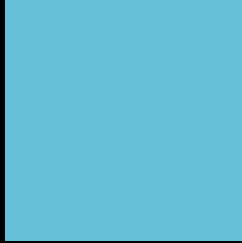
Large Text (above 18pt) WCAG AA × Fail

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 45.4238, 0.2380, 0.2953 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 45.4238, 0.2380, 0.2953

Background



This preview shows how black text looks on a background with the Yxy color 45.4238, 0.2380, 0.2953.

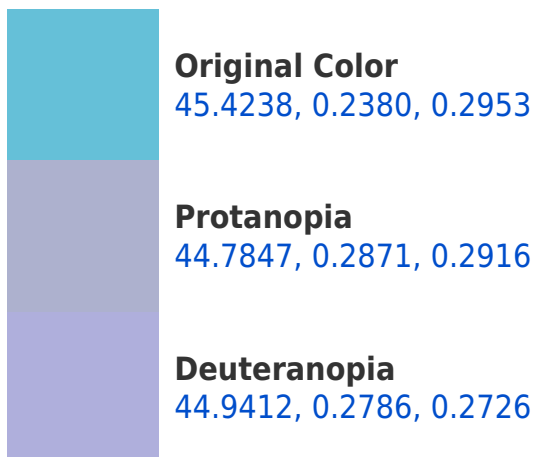


This preview shows how white text looks on a background with the Yxy color 45.4238, 0.2380, 0.2953.

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

45.3400, 0.2404, 0.3060

Trichromacy



Original Color

45.4238, 0.2380, 0.2953

Protanomaly

44.3121, 0.2656, 0.2913

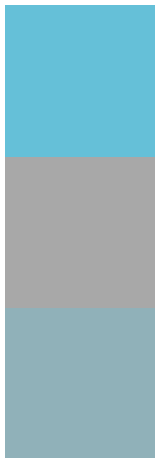
Deuteranomaly

44.4581, 0.2605, 0.2789

Tritanomaly

45.5460, 0.2394, 0.3020

Monochromacy



Original Color

45.4238, 0.2380, 0.2953

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.8764, 0.2795, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4238, 0.2380, 0.2953 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(101, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 192, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.4238, 0.2380, 0.2953 is called "border". The border property can be set on classes, ids or directly on the HTML element.

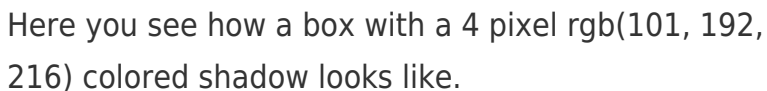
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 192, 216) }
```

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

```
.border{ border-color:rgb(101, 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(101, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(101, 192,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4238, 0.2380, 0.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 192, 216) }
```

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

```
.background{ background-color: rgb(101,  
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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