

Converting Colors

$Yxy(52.2946, 0.2923, 0.4870)$

Have a look what the booklet for
Yxy(52.2946, 0.2923, 0.4870)
contains.

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Color

Yxy(52.3078, 0.2922, 0.4866)

Conversions

Conversions Part 1

Format	Color
Hex	57D870
RGB	87, 216, 112
RGB Percent	34%, 85%, 44%
CMY	0.6589, 0.1529, 0.5607
CMYK	0.60, 0.00, 0.48, 0.15
HSL	132°, 62%, 59%
HSV	132°, 60%, 85%
XYZ	31.4105, 52.3078, 23.7782
YIQ	165.5730, -43.5000, -59.6920

Conversions

Conversions Part 2

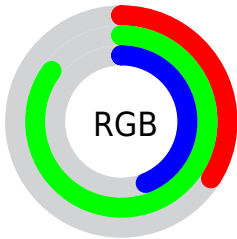
Format	Color
RYB	87, 195, 216
Decimal	5757040
CIELab	77.46, -57.18, 40.71
CIELCh	77, 70.188, 144.552
Yxy	52.3078, 0.2922, 0.4866
Android (android.graphics.Color)	4283947120 (0xFF57D870)
YUV	165.5730, -26.4115, -68.9085
Hunter-Lab	72.3241, -49.0444, 31.1339

Details

The Yxy color **52.3078, 0.2922, 0.4866** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.1717, 0.3478, 0.2129**, and the grayscale version is **38.0611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5325, 0.2984, 0.4387**, and **25.4785, 0.2823, 0.5362** is the 20% darker color. If you saturate the color by 10%, you get **51.0704, 0.2911, 0.5161**, and if you desaturate by 10%, it is **53.9354, 0.2944, 0.4562**.

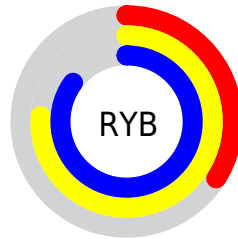
Distribution



Red (34%)

Green (85%)

Blue (44%)



Red (34%)

Yellow (76%)

Blue (85%)

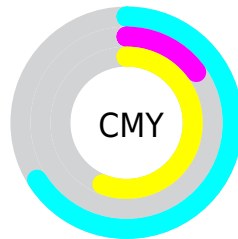


Cyan (60%)

Magenta (0%)

Yellow (48%)

Black (15%)



Cyan (66%)


Magenta (15%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3078, 0.2922, 0.4866 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 52.3078, 0.2922, 0.4866 by changing the saturation by 10% instead.


 52.3078, 0.2922,
0.4866

 52.3078, 0.2922,
0.4866

395.6237, 0.3061,
0.4034

 37.2505, 0.2875,
0.5084


 93.5850, 0.2982,
0.4555

 25.4015, 0.2807,
0.5367


 120.5737, 0.3001,
0.4441

 16.3764, 0.2703,
0.5747

 152.3083, 0.3017,
0.4345

 9.7909, 0.2535,
0.6275

 189.1732, 0.3029,
0.4264

 5.2605, 0.2266,
0.7107

231.5528, 0.3039,
0.4194

 2.4009, 0.1554,
0.8446

279.8315, 0.3048,

 0.8264, 0.0000,

0.4134

1.0000

334.3937, 0.3055,
0.4081

0.0000, 0.0000,
0.0000

52.3078, 0.2922,
0.4866

52.3078, 0.2922,
0.4866

51.0704, 0.2911,
0.5161

53.9354, 0.2944,
0.4562

50.1837, 0.2913,
0.5428

55.9759, 0.2974,
0.4263

49.6112, 0.2928,
0.5652


58.4577, 0.3009,
0.3981

49.2881, 0.2950,
0.5819


61.4049, 0.3048,
0.3722

49.2811, 0.2951,
0.5823

64.8400, 0.3088,
0.3490

 68.7838, 0.3128,
0.3285

 73.2559, 0.3167,
0.3105

 77.3571, 0.3170,
0.2945

 77.5943, 0.3145,
0.2910

Harmonies

Analogous

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



52.3078, 0.3796, 0.5004



52.3078, 0.2922, 0.4866



52.3078, 0.2150, 0.4006

Triad

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



52.3078, 0.2922, 0.4866



52.3078, 0.1769, 0.1956



52.3078, 0.4804, 0.3251

Complementary

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



52.3078, 0.2922, 0.4866



25.1717, 0.3478, 0.2129

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.



52.3078, 0.4079, 0.2656



52.3078, 0.2922, 0.4866



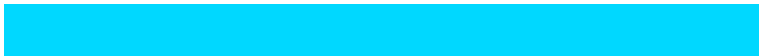
52.3078, 0.2283, 0.1947

Square

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



52.3078, 0.2922, 0.4866



52.3078, 0.1570, 0.2274



52.3078, 0.3107, 0.2195



52.3078, 0.4954, 0.3905

Rectangle

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



52.3078, 0.2922, 0.4866



52.3078, 0.1801, 0.3297



52.3078, 0.3107, 0.2195



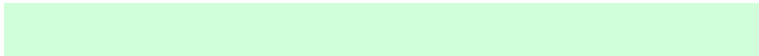
52.3078, 0.4616, 0.3043

Sweetspot

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



52.3100, 0.2922, 0.4866



90.1525, 0.3054, 0.3684



61.0542, 0.3775, 0.4792



19.0041, 0.3043, 0.3756



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.



52.3100, 0.2922, 0.4866



73.9374, 0.2911, 0.5243



54.2403, 0.2595, 0.3883



13.9350, 0.3090, 0.3483



29.1800, 0.2945, 0.5802



1.7718, 0.2857, 0.5486

Inverse Universe

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



25.1717, 0.3478, 0.2129



30.9504, 0.3576, 0.1964



22.9665, 0.4370, 0.2818



12.5894, 0.3167, 0.3104



10.4667, 0.3767, 0.1849



0.6421, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 52.3078, 0.2922, 0.4866 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 52.3078, 0.2922, 0.4866 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 52.3078, 0.2922, 0.4866

Background



This preview shows how black text looks on a background with the Yxy color 52.3078, 0.2922, 0.4866.



This preview shows how white text looks on a background with the Yxy color 52.3078, 0.2922, 0.4866.

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

52.3078, 0.2922, 0.4866

Protanopia

51.3615, 0.3970, 0.4324

Deuteranopia

51.0862, 0.4067, 0.3973



Tritanopia

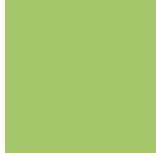
52.0660, 0.2463, 0.3075

Trichromacy



Original Color

52.3078, 0.2922, 0.4866



Protanomaly

49.8868, 0.3515, 0.4549



Deuteranomaly

49.2387, 0.3556, 0.4303



Tritanomaly

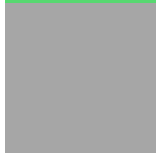
51.4512, 0.2625, 0.3678

Monochromacy



Original Color

52.3078, 0.2922, 0.4866



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.6747, 0.3027, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3078, 0.2922, 0.4866 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(87, 216, 112)` looks like.

```
.text, #text, p{  
    color:rgb(87, 216, 112)  
}
```

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(87, 216, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 216, 112) }
```

Border

The CSS property to change the border of an element to Yxy 52.3078, 0.2922, 0.4866 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(87, 216, 112) }
```

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

```
.border{ border-color:rgb(87, 216, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 216, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 216, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 216, 112);  
box-shadow:4px 4px 4px 4px rgb(87, 216,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3078, 0.2922, 0.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 216, 112) }
```

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

```
.background{ background-color: rgb(87, 216,  
112) }
```

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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