

Converting Colors

Yxy(52.3483, 0.2911, 0.5120)

Have a look what the booklet for
Yxy(52.3483, 0.2911, 0.5120)
contains.

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Color

Yxy(52.2899, 0.2912, 0.5121)

Conversions

Conversions Part 1

Format	Color
Hex	45DA62
RGB	69, 218, 98
RGB Percent	27%, 85%, 38%
CMY	0.7292, 0.1451, 0.6156
CMYK	0.68, 0.00, 0.55, 0.15
HSL	132°, 67%, 56%
HSV	132°, 68%, 85%
XYZ	29.7341, 52.2899, 20.0848
YIQ	159.7690, -50.2840, -68.9080

Conversions

Conversions Part 2

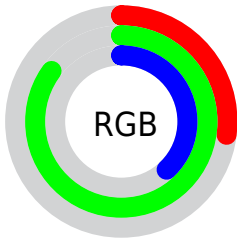
Format	Color
RYB	69, 194, 218
Decimal	4577890
CIELab	77.45, -63.39, 47.28
CIELCh	77, 79.083, 143.286
Yxy	52.2899, 0.2912, 0.5121
Android (android.graphics.Color)	4282767970 (0xFF45DA62)
YUV	159.7690, -30.4521, -79.6044
Hunter-Lab	72.3118, -53.1477, 34.1503

Details

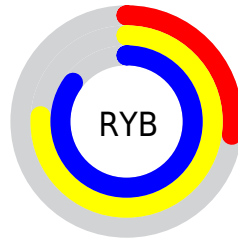
The Yxy color **52.2899, 0.2912, 0.5121** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **22.8453, 0.3544, 0.2012**, and the grayscale version is **35.2116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8227, 0.2979, 0.4588**, and **26.0379, 0.2894, 0.5617** is the 20% darker color. If you saturate the color by 10%, you get **51.3389, 0.2912, 0.5394**, and if you desaturate by 10%, it is **53.6107, 0.2924, 0.4824**.

Distribution



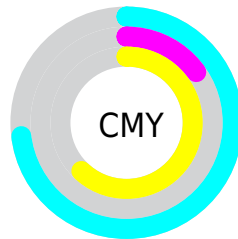
- Red (27%)
- Green (85%)
- Blue (38%)



- Red (27%)
- Yellow (76%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (55%)
- Black (15%)





- Cyan (73%)
- Magenta (15%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2899, 0.2912, 0.5121 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 52.2899, 0.2912, 0.5121 by changing the saturation by 10% instead.

 52.2899, 0.2912,
0.5121

 52.2899, 0.2912,
0.5121


395.5548, 0.3070,
0.4150

 37.2362, 0.2855,
0.5374


 93.5586, 0.2982,
0.4759


 25.3904, 0.2772,
0.5701


 120.5425, 0.3005,
0.4625

 16.3682, 0.2643,
0.6134


 152.2718, 0.3022,
0.4513

 9.7851, 0.2433,
0.6722

 189.1310, 0.3036,
0.4418

 5.2567, 0.2157,
0.7837

231.5045, 0.3047,
0.4337

 2.3986, 0.1075,
0.8925

279.7767, 0.3056,

 0.8252, 0.0000,

0.4266

1.0000

334.3320, 0.3063,
0.4205

■ 0.0000, 0.0000,
0.0000

■ 52.2899, 0.2912,
0.5121

■ 52.2899, 0.2912,
0.5121

■ 51.3389, 0.2912,
0.5394

■ 53.6107, 0.2924,
0.4824

■ 50.7127, 0.2925,
0.5624

■ 55.3281, 0.2947,
0.4519


■ 50.3580, 0.2948,
0.5799

■ 57.4735, 0.2978,
0.4222


■ 50.3123, 0.2951,
0.5823

■ 60.0735, 0.3014,
0.3943

■ 63.1525, 0.3054,
0.3688

 66.7331, 0.3094,
0.3460

 70.8365, 0.3134,
0.3258

 75.4825, 0.3172,
0.3082

 78.6224, 0.3144,
0.2930

Harmonies

Analogous

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



52.2899, 0.3872, 0.5191



52.2899, 0.2912, 0.5121



52.2899, 0.2059, 0.4153

Triad

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



52.2899, 0.2912, 0.5121



52.2899, 0.1621, 0.1828



52.2899, 0.4989, 0.3192

Complementary

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



52.2899, 0.2912, 0.5121



22.8453, 0.3544, 0.2012

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.



52.2899, 0.4149, 0.2558



52.2899, 0.2912, 0.5121



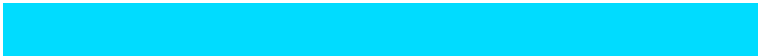
52.2899, 0.2157, 0.1813

Square

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



52.2899, 0.2912, 0.5121



52.2899, 0.1421, 0.2174



52.2899, 0.3051, 0.2071



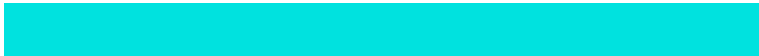
52.2899, 0.5161, 0.3893

Rectangle

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



52.2899, 0.2912, 0.5121



52.2899, 0.1675, 0.3329



52.2899, 0.3051, 0.2071



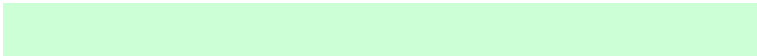
52.2899, 0.4771, 0.2971

Sweetspot

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



52.2921, 0.2912, 0.5121



89.2081, 0.3046, 0.3733



61.6096, 0.3829, 0.4961



18.8204, 0.3035, 0.3805



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.



52.2921, 0.2912, 0.5121



72.7793, 0.2916, 0.5501



54.3439, 0.2558, 0.3987



14.6474, 0.3089, 0.3484



30.1546, 0.2945, 0.5803



1.9657, 0.2863, 0.5507

Inverse Universe

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



22.8453, 0.3544, 0.2012



28.0790, 0.3654, 0.1886



20.4355, 0.4662, 0.2785



13.2292, 0.3167, 0.3104



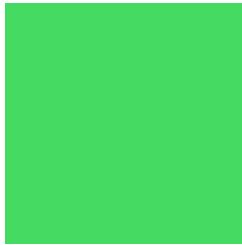
10.8142, 0.3769, 0.1850



0.7119, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 52.2899, 0.2912, 0.5121 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 52.2899, 0.2912, 0.5121 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 52.2899, 0.2912, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 52.2899, 0.2912, 0.5121.

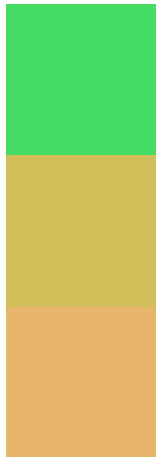


This preview shows how white text looks on a background with the Yxy color 52.2899, 0.2912, 0.5121.

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

52.2899, 0.2912, 0.5121

Protanopia

51.2498, 0.4072, 0.4460

Deuteranopia

51.1194, 0.4188, 0.4102



Tritanopia

52.0007, 0.2410, 0.3060

Trichromacy



Original Color

52.2899, 0.2912, 0.5121



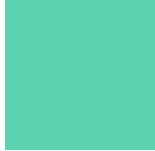
Protanomaly

49.4522, 0.3544, 0.4752



Deuteranomaly

48.3537, 0.3608, 0.4496



Tritanomaly

51.5947, 0.2595, 0.3772

Monochromacy



Original Color

52.2899, 0.2912, 0.5121



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.3659, 0.3014, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2899, 0.2912, 0.5121 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(69, 218, 98)` looks like.

```
.text, #text, p{  
    color:rgb(69, 218, 98)  
}
```

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(69, 218, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 218, 98) }
```

Border

The CSS property to change the border of an element to Yxy 52.2899, 0.2912, 0.5121 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(69, 218, 98) }
```

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

```
.border{ border-color:rgb(69, 218, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 218, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 218, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 218, 98);  
box-shadow:4px 4px 4px 4px rgb(69, 218,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2899, 0.2912, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 218, 98) }
```

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

```
.background{ background-color: rgb(69, 218,  
98) }
```

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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