

Converting Colors

$Y_{xy}(52.5769, 0.2936, 0.5242)$

Have a look what the booklet for
Yxy(52.5769, 0.2936, 0.5242)
contains.

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Color

Yxy(52.5595, 0.2935, 0.5243)

Conversions

Conversions Part 1

Format	Color
Hex	42DB5A
RGB	66, 219, 90
RGB Percent	26%, 86%, 35%
CMY	0.7412, 0.1412, 0.6471
CMYK	0.70, 0.00, 0.59, 0.14
HSL	129°, 68%, 56%
HSV	129°, 70%, 86%
XYZ	29.4225, 52.5595, 18.2650
YIQ	158.5470, -49.7790, -72.5550

Conversions

Conversions Part 2

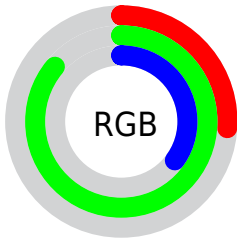
Format	Color
RYB	66, 198, 219
Decimal	4381530
CIELab	77.61, -65.28, 51.10
CIELCh	78, 82.899, 141.944
Yxy	52.5595, 0.2935, 0.5243
Android (android.graphics.Color)	4282571610 (0xFF42DB5A)
YUV	158.5470, -33.7937, -81.1637
Hunter-Lab	72.4979, -54.4291, 35.8111

Details

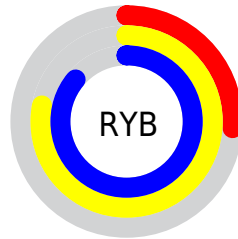
The Yxy color **52.5595, 0.2935, 0.5243** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.8951, 0.3482, 0.1944**, and the grayscale version is **34.6259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5202, 0.3006, 0.4677**, and **26.3218, 0.2930, 0.5750** is the 20% darker color. If you saturate the color by 10%, you get **51.6650, 0.2936, 0.5510**, and if you desaturate by 10%, it is **53.8274, 0.2945, 0.4942**.

Distribution



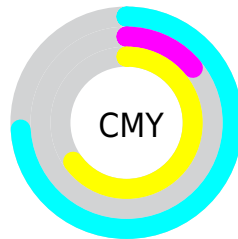
- Red (26%)
- Green (86%)
- Blue (35%)



- Red (26%)
- Yellow (78%)
- Blue (86%)



- Cyan (70%)
- Magenta (0%)
- Yellow (59%)
- Black (14%)





- Cyan (74%)
- Magenta (14%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5595, 0.2935, 0.5243 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 52.5595, 0.2935, 0.5243 by changing the saturation by 10% instead.


 52.5595, 0.2935,
0.5243

 52.5595, 0.2935,
0.5243


396.5928, 0.3090,
0.4208


 37.4512, 0.2876,
0.5510


 93.9559, 0.3006,
0.4858


 25.5571, 0.2788,
0.5853


 121.0127, 0.3028,
0.4716

 16.4926, 0.2650,
0.6304

 152.8213, 0.3045,
0.4596

 9.8734, 0.2424,
0.6904

 189.7659, 0.3058,
0.4495

 5.3151, 0.2091,
0.7909

232.2310, 0.3069,
0.4408

 2.4333, 0.0965,
0.9035

280.6009, 0.3077,

 0.8429, 0.0000,

0.4333

1.0000

335.2600, 0.3084,
0.4267

■ 0.0000, 0.0000,
0.0000

■ 52.5595, 0.2935,
0.5243

■ 52.5595, 0.2935,
0.5243

■ 51.6650, 0.2936,
0.5510

■ 53.8274, 0.2945,
0.4942

■ 51.0962, 0.2948,
0.5724

■ 55.4973, 0.2965,
0.4627


■ 50.7868, 0.2966,
0.5876

■ 57.6023, 0.2992,
0.4315


■ 50.7836, 0.2966,
0.5878


■ 60.1702, 0.3024,
0.4019

■ 63.2266, 0.3058,
0.3747

 66.7950, 0.3093,
0.3503

 70.8977, 0.3128,
0.3287

 75.5554, 0.3161,
0.3099

 79.1460, 0.3144,
0.2940

Harmonies

Analogous

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



52.5595, 0.3928, 0.5251



52.5595, 0.2935, 0.5243



52.5595, 0.2044, 0.4254

Triad

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



52.5595, 0.2935, 0.5243



52.5595, 0.1552, 0.1783



52.5595, 0.5046, 0.3146

Complementary

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



52.5595, 0.2935, 0.5243



22.8951, 0.3482, 0.1944

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.



52.5595, 0.4144, 0.2501



52.5595, 0.2935, 0.5243



52.5595, 0.2085, 0.1757

Square

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



52.5595, 0.2935, 0.5243



52.5595, 0.1362, 0.2151



52.5595, 0.2996, 0.2010



52.5595, 0.5250, 0.3862

Rectangle

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



52.5595, 0.2935, 0.5243



52.5595, 0.1638, 0.3379



52.5595, 0.2996, 0.2010



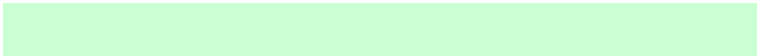
52.5595, 0.4809, 0.2921

Sweetspot

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



52.5617, 0.2935, 0.5243



88.6458, 0.3053, 0.3781



62.8018, 0.3878, 0.4961



18.7070, 0.3044, 0.3855



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.



52.5617, 0.2935, 0.5243



72.4873, 0.2940, 0.5621



54.5565, 0.2578, 0.4087



14.6394, 0.3095, 0.3493



30.1209, 0.2961, 0.5860



1.9620, 0.2887, 0.5595

Inverse Universe

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



22.8951, 0.3482, 0.1944



28.0733, 0.3571, 0.1818



20.3002, 0.4631, 0.2723



13.2379, 0.3162, 0.3095



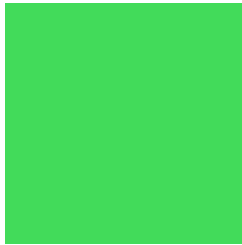
11.0112, 0.3648, 0.1783



0.7230, 0.3565, 0.1738

Previews

White Background



This preview shows how the Yxy color 52.5595, 0.2935, 0.5243 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 52.5595, 0.2935, 0.5243 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 52.5595, 0.2935, 0.5243

Background



This preview shows how black text looks on a background with the Yxy color 52.5595, 0.2935, 0.5243.



This preview shows how white text looks on a background with the Yxy color 52.5595, 0.2935, 0.5243.

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

52.5595, 0.2935, 0.5243

Protanopia

51.2699, 0.4129, 0.4527

Deuteranopia

51.3110, 0.4258, 0.4164



Tritanopia

52.0007, 0.2410, 0.3060

Trichromacy



Original Color

52.5595, 0.2935, 0.5243



Protanomaly

49.6825, 0.3576, 0.4856



Deuteranomaly

48.6639, 0.3649, 0.4590



Tritanomaly

51.3733, 0.2602, 0.3820

Monochromacy



Original Color

52.5595, 0.2935, 0.5243



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

39.1290, 0.3020, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5595, 0.2935, 0.5243 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(66, 219, 90)` looks like.

```
.text, #text, p{  
    color:rgb(66, 219, 90)  
}
```

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(66, 219, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 219, 90) }
```

Border

The CSS property to change the border of an element to Yxy 52.5595, 0.2935, 0.5243 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(66, 219, 90) }
```

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

```
.border{ border-color:rgb(66, 219, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 219, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 219, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 219, 90);  
box-shadow:4px 4px 4px 4px rgb(66, 219,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5595, 0.2935, 0.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 219, 90) }
```

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

```
.background{ background-color: rgb(66, 219,  
90) }
```

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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