

Converting Colors

$Yxy(52.0580, 0.3035, 0.5253)$

Have a look what the booklet for
Yxy(52.0580, 0.3035, 0.5253)
contains.

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Color

Yxy(52.2129, 0.3035, 0.5248)

Conversions

Conversions Part 1

Format	Color
Hex	55D955
RGB	85, 217, 85
RGB Percent	33%, 85%, 33%
CMY	0.6669, 0.1490, 0.6666
CMYK	0.61, 0.00, 0.61, 0.15
HSL	120°, 63%, 59%
HSV	120°, 61%, 85%
XYZ	30.1955, 52.2129, 17.0826
YIQ	162.4840, -36.3000, -69.0360

Conversions

Conversions Part 2

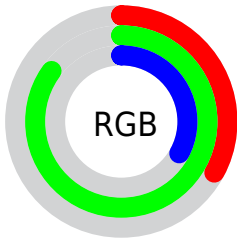
Format	Color
RYB	85, 217, 217
Decimal	5626197
CIELab	77.41, -61.45, 53.18
CIELCh	77, 81.266, 139.127
Yxy	52.2129, 0.3035, 0.5248
Android (android.graphics.Color)	4283816277 (0xFF55D955)
YUV	162.4840, -38.1996, -67.9535
Hunter-Lab	72.2585, -51.8604, 36.5642

Details

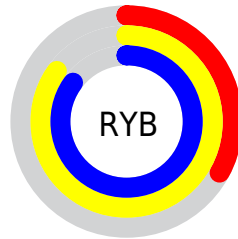
The Yxy color **52.2129, 0.3035, 0.5248** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **26.2486, 0.3194, 0.1889**, and the grayscale version is **36.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5871, 0.3103, 0.4708**, and **25.5784, 0.2950, 0.5818** is the 20% darker color. If you saturate the color by 10%, you get **51.0576, 0.3021, 0.5551**, and if you desaturate by 10%, it is **53.7895, 0.3051, 0.4903**.

Distribution



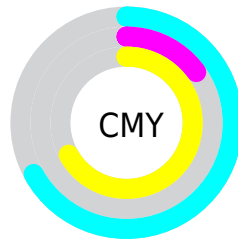
- Red (33%)
- Green (85%)
- Blue (33%)



- Red (33%)
- Yellow (85%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (61%)
- Black (15%)





- Cyan (67%)
- Magenta (15%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2129, 0.3035, 0.5248 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 52.2129, 0.3035, 0.5248 by changing the saturation by 10% instead.


 52.2129, 0.3035,
0.5248


 52.2129, 0.3035,
0.5248


395.2580, 0.3143,
0.4215


 37.1748, 0.2986,
0.5512


 93.4451, 0.3090,
0.4865


 25.3429, 0.2909,
0.5850


 120.4081, 0.3106,
0.4723

 16.3327, 0.2784,
0.6289


 152.1148, 0.3118,
0.4604

 9.7599, 0.2573,
0.6871

 188.9496, 0.3126,
0.4503

 5.2400, 0.2235,
0.7765

231.2969, 0.3132,
0.4416

 2.3888, 0.1219,
0.8781

279.5411, 0.3137,

 0.8201, 0.0000,

0.4340

1.0000

334.0667, 0.3140,
0.4274

■ 0.0000, 0.0000,
0.0000

■ 52.2129, 0.3035,
0.5248

■ 52.2129, 0.3035,
0.5248

■ 51.0576, 0.3021,
0.5551

■ 53.7895, 0.3051,
0.4903

■ 50.2774, 0.3010,
0.5784

■ 55.8154, 0.3068,
0.4543

■ 49.8276, 0.3003,
0.5932

■ 58.3236, 0.3085,
0.4192

■ 49.6304, 0.3000,
0.6000

■ 61.3425, 0.3100,
0.3865

■ 64.8981, 0.3114,
0.3570

■ 69.0146, 0.3126,
0.3311

■ 73.7148, 0.3137,
0.3085

■ 78.1102, 0.3145,
0.2920

Harmonies

Analogous

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



52.2129, 0.4011, 0.5181



52.2129, 0.3035, 0.5248



52.2129, 0.2133, 0.4355

Triad

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



52.2129, 0.3035, 0.5248



52.2129, 0.1541, 0.1822



52.2129, 0.4956, 0.3089

Complementary

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



52.2129, 0.3035, 0.5248



26.2486, 0.3194, 0.1889

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.



52.2129, 0.4022, 0.2460



52.2129, 0.3035, 0.5248



52.2129, 0.2036, 0.1767

Square

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



52.2129, 0.3035, 0.5248



52.2129, 0.1383, 0.2226



52.2129, 0.2900, 0.1993



52.2129, 0.5230, 0.3793

Rectangle

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



52.2129, 0.3035, 0.5248



52.2129, 0.1706, 0.3497



52.2129, 0.2900, 0.1993



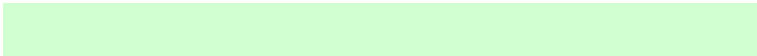
52.2129, 0.4701, 0.2868

Sweetspot

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



52.2151, 0.3035, 0.5248



89.6994, 0.3104, 0.3783



65.0383, 0.3981, 0.4701



18.8960, 0.3100, 0.3873



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.



52.2151, 0.3035, 0.5248



73.2087, 0.3017, 0.5624



53.7927, 0.2714, 0.4277



14.6064, 0.3116, 0.3532



30.0410, 0.3000, 0.6000



1.9462, 0.3000, 0.5999

Inverse Universe

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



26.2486, 0.3194, 0.1889



32.7120, 0.3202, 0.1706



23.4754, 0.4037, 0.2531



13.2748, 0.3138, 0.3060



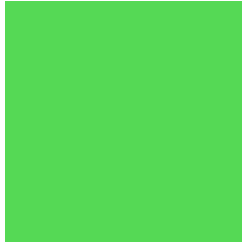
11.9593, 0.3210, 0.1542



0.7748, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 52.2129, 0.3035, 0.5248 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 52.2129, 0.3035, 0.5248 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 52.2129, 0.3035, 0.5248

Background



This preview shows how black text looks on a background with the Yxy color 52.2129, 0.3035, 0.5248.



This preview shows how white text looks on a background with the Yxy color 52.2129, 0.3035, 0.5248.

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

52.2129, 0.3035, 0.5248

Protanopia

51.2116, 0.4152, 0.4561

Deuteranopia

51.2159, 0.4294, 0.4210



Tritanopia

51.7307, 0.2471, 0.3062

Trichromacy



Original Color

52.2129, 0.3035, 0.5248



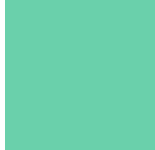
Protanomaly

49.8871, 0.3662, 0.4856



Deuteranomaly

48.9400, 0.3748, 0.4607



Tritanomaly

51.1162, 0.2686, 0.3830

Monochromacy



Original Color

52.2129, 0.3035, 0.5248



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.2455, 0.3092, 0.4032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2129, 0.3035, 0.5248 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(85, 217, 85)` looks like.

```
.text, #text, p{  
    color:rgb(85, 217, 85)  
}
```

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(85, 217, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 217, 85) }
```

Border

The CSS property to change the border of an element to Yxy 52.2129, 0.3035, 0.5248 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(85, 217, 85) }
```

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

```
.border{ border-color:rgb(85, 217, 85) }
```

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

Here you see how a box with a 4 pixel rgb(85, 217, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 217, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 217, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 217,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2129, 0.3035, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 217, 85) }
```

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

```
.background{ background-color: rgb(85, 217,  
85) }
```

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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