

Converting Colors

$Yxy(54.5918, 0.3044, 0.5387)$

Have a look what the booklet for
Yxy(54.5918, 0.3044, 0.5387)
contains.

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Color

Yxy(54.4838, 0.3041, 0.5385)

Conversions

Conversions Part 1

Format	Color
Hex	50DE4D
RGB	80, 222, 77
RGB Percent	31%, 87%, 30%
CMY	0.6864, 0.1294, 0.6978
CMYK	0.64, 0.00, 0.65, 0.13
HSL	119°, 69%, 59%
HSV	119°, 65%, 87%
XYZ	30.7679, 54.4838, 15.9253
YIQ	163.0120, -38.0870, -75.1990

Conversions

Conversions Part 2

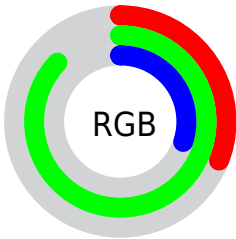
Format	Color
RYB	77, 222, 219
Decimal	5299789
CIELab	78.74, -65.06, 57.97
CIELCh	79, 87.145, 138.297
Yxy	54.4838, 0.3041, 0.5385
Android (android.graphics.Color)	4283489869 (0xFF50DE4D)
YUV	163.0120, -42.4039, -72.8015
Hunter-Lab	73.8131, -54.7679, 38.8773

Details

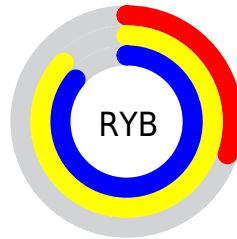
The Yxy color **54.4838, 0.3041, 0.5385** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **25.6655, 0.3165, 0.1802**, and the grayscale version is **36.8478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1152, 0.3118, 0.4797**, and **26.9368, 0.2985, 0.5947** is the 20% darker color. If you saturate the color by 10%, you get **53.4259, 0.3026, 0.5660**, and if you desaturate by 10%, it is **55.9597, 0.3057, 0.5056**.

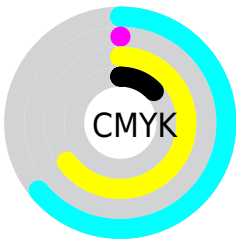
Distribution



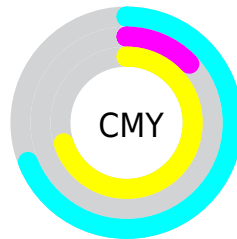
- Red (31%)
- Green (87%)
- Blue (30%)



- Red (30%)
- Yellow (87%)
- Blue (86%)



- Cyan (64%)
- Magenta (0%)
- Yellow (65%)
- Black (13%)





- Cyan (69%)
- Magenta (13%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4838, 0.3041, 0.5385 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 54.4838, 0.3041, 0.5385 by changing the saturation by 10% instead.

 54.4838, 0.3041,
0.5385

 54.4838, 0.3041,
0.5385


403.9522, 0.3156,
0.4288

 38.9886, 0.2987,
0.5660


 96.7842, 0.3101,
0.4982


 26.7508, 0.2903,
0.6008


 124.3582, 0.3119,
0.4831


 17.3862, 0.2766,
0.6454


 156.7273, 0.3131,
0.4704

 10.5102, 0.2543,
0.7043

 194.2758, 0.3139,
0.4596

 5.7385, 0.2166,
0.7834

 237.3882, 0.3146,
0.4503

 2.6868, 0.1250,
0.8750

286.4487, 0.3150,

 0.9705, 0.0000,

0.4422

1.0000

341.8420, 0.3154,
0.4351

■ 0.0000, 0.0000,
0.0000

■ 54.4838, 0.3041,
0.5385

■ 54.4838, 0.3041,
0.5385

■ 53.4259, 0.3026,
0.5660

■ 55.9597, 0.3057,
0.5056

■ 52.7368, 0.3014,
0.5857

■ 57.8832, 0.3073,
0.4701


■ 52.3677, 0.3005,
0.5967

■ 60.2893, 0.3088,
0.4345


■ 52.2745, 0.3003,
0.5997

■ 63.2073, 0.3101,
0.4006

■ 66.6645, 0.3113,
0.3697

 70.6860, 0.3123,
0.3422

 75.2957, 0.3131,
0.3181

 80.5157, 0.3138,
0.2972

 80.7258, 0.3142,
0.2970

Harmonies

Analogous

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



54.4838, 0.4057, 0.5255



54.4838, 0.3041, 0.5385



54.4838, 0.2098, 0.4459

Triad

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



54.4838, 0.3041, 0.5385



54.4838, 0.1467, 0.1762



54.4838, 0.5038, 0.3047

Complementary

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



54.4838, 0.3041, 0.5385



25.6655, 0.3165, 0.1802

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.



54.4838, 0.4036, 0.2403



54.4838, 0.3041, 0.5385



54.4838, 0.1964, 0.1701

Square

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



54.4838, 0.3041, 0.5385



54.4838, 0.1312, 0.2185



54.4838, 0.2854, 0.1927



54.4838, 0.5336, 0.3770

Rectangle

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



54.4838, 0.3041, 0.5385



54.4838, 0.1651, 0.3538



54.4838, 0.2854, 0.1927



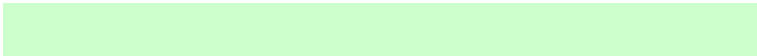
54.4838, 0.4764, 0.2821

Sweetspot

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



54.4861, 0.3041, 0.5385



88.8619, 0.3107, 0.3844



65.7828, 0.4056, 0.4737



18.7391, 0.3104, 0.3932



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.



54.4861, 0.3041, 0.5385



72.7698, 0.3022, 0.5735



55.8609, 0.2725, 0.4441



15.3503, 0.3119, 0.3532



31.0538, 0.3005, 0.5996



2.1572, 0.3018, 0.5986

Inverse Universe

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



25.6655, 0.3165, 0.1802



30.5699, 0.3165, 0.1633



23.1912, 0.4068, 0.2441



13.9209, 0.3135, 0.3059



11.9513, 0.3160, 0.1514



0.8329, 0.3168, 0.1519

Previews

White Background



This preview shows how the Yxy color 54.4838, 0.3041, 0.5385 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 54.4838, 0.3041, 0.5385 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 54.4838, 0.3041, 0.5385

Background



This preview shows how black text looks on a background with the Yxy color 54.4838, 0.3041, 0.5385.



This preview shows how white text looks on a background with the Yxy color 54.4838, 0.3041, 0.5385.

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

54.4838, 0.3041, 0.5385

Protanopia

53.6122, 0.4208, 0.4633

Deuteranopia

53.3530, 0.4371, 0.4276



Tritanopia

54.2066, 0.2454, 0.3078

Trichromacy



Original Color

54.4838, 0.3041, 0.5385



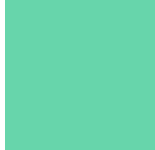
Protanomaly

51.8691, 0.3697, 0.4955



Deuteranomaly

50.8678, 0.3786, 0.4709



Tritanomaly

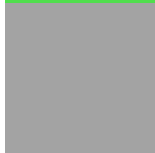
53.4123, 0.2681, 0.3897

Monochromacy



Original Color

54.4838, 0.3041, 0.5385



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.9335, 0.3098, 0.4093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4838, 0.3041, 0.5385 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(80, 222, 77)` looks like.

```
.text, #text, p{  
    color:rgb(80, 222, 77)  
}
```

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(80, 222, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 222, 77) }
```

Border

The CSS property to change the border of an element to Yxy 54.4838, 0.3041, 0.5385 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(80, 222, 77) }
```

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

```
.border{ border-color:rgb(80, 222, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 222, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 222, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 222, 77);  
box-shadow:4px 4px 4px 4px rgb(80, 222,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4838, 0.3041, 0.5385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 222, 77) }
```

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

```
.background{ background-color: rgb(80, 222,  
77) }
```

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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