

Converting Colors

$Yxy(54.0448, 0.2917, 0.5566)$

Have a look what the booklet for
Yxy(54.0448, 0.2917, 0.5566)
contains.

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Color

Yxy(54.0448, 0.2917, 0.5566)

Conversions

Conversions Part 1

Format	Color
Hex	1FE046
RGB	31, 224, 70
RGB Percent	12%, 88%, 27%
CMY	0.8788, 0.1215, 0.7256
CMYK	0.86, 0.00, 0.69, 0.12
HSL	132°, 76%, 50%
HSV	132°, 86%, 88%
XYZ	28.3235, 54.0448, 14.7298
YIQ	148.7370, -65.5940, -88.8100

Conversions

Conversions Part 2

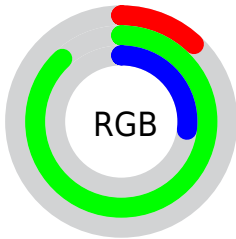
Format	Color
RYB	31, 192, 224
Decimal	2089030
CIELab	78.49, -73.31, 60.24
CIELCh	78, 94.883, 140.588
Yxy	54.0448, 0.2917, 0.5566
Android (android.graphics.Color)	4280279110 (0xFF1FE046)
YUV	148.7370, -38.8173, -103.2553
Hunter-Lab	73.5152, -59.8801, 39.5810

Details

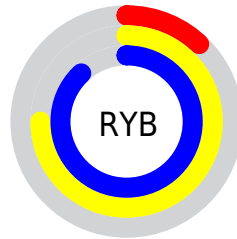
The Yxy color **54.0448, 0.2917, 0.5566** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **20.3232, 0.3703, 0.1882**, and the grayscale version is **30.1137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7137, 0.3008, 0.4945**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.6191, 0.2939, 0.5755**, and if you desaturate by 10%, it is **54.7825, 0.2906, 0.5325**.

Distribution



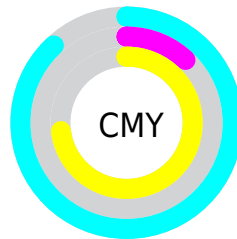
- Red (12%)
- Green (88%)
- Blue (27%)



- Red (12%)
- Yellow (75%)
- Blue (88%)



- Cyan (86%)
- Magenta (0%)
- Yellow (69%)
- Black (12%)





- Cyan (88%)
- Magenta (12%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0448, 0.2917, 0.5566 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 54.0448, 0.2917, 0.5566 by changing the saturation by 10% instead.


 54.0448, 0.2917,
0.5566

 54.0448, 0.2917,
0.5566


402.2808, 0.3104,
0.4365

 38.6375, 0.2842,
0.5869


 96.1400, 0.3006,
0.5123

 26.4778, 0.2730,
0.6251


 123.5967, 0.3033,
0.4958

 17.1814, 0.2556,
0.6738


 155.8386, 0.3053,
0.4819

 10.3639, 0.2290,
0.7404

 193.2502, 0.3069,
0.4701

 5.6409, 0.1830,
0.8170

 236.2158, 0.3081,
0.4599

 2.6280, 0.0560,
0.9440


285.1199, 0.3090,


 0.9408, 0.0000,


0.4511


1.0000

340.3467, 0.3098,
0.4433


 0.0000, 0.0000,
0.0000

 54.0448, 0.2917,
0.5566


 54.0448, 0.2917,
0.5566


 53.6191, 0.2939,
0.5755


 54.7825, 0.2906,
0.5325


 53.5073, 0.2948,
0.5812

 55.8745, 0.2908,
0.5046


 57.3626, 0.2923,
0.4748


 59.2813, 0.2948,
0.4446

 61.6610, 0.2982,
0.4154

 64.5295, 0.3020,
0.3882

 67.9124, 0.3060,
0.3635

 71.8332, 0.3102,
0.3414

 76.3143, 0.3143,
0.3219

Harmonies

Analogous

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



54.0448, 0.4002, 0.5441



54.0448, 0.2917, 0.5566



54.0448, 0.1938, 0.4463

Triad

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



54.0448, 0.2917, 0.5566



54.0448, 0.1388, 0.1640



54.0448, 0.5261, 0.3062

Complementary

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



54.0448, 0.2917, 0.5566



20.3232, 0.3703, 0.1882

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.



54.0448, 0.4211, 0.2382



54.0448, 0.2917, 0.5566



54.0448, 0.1935, 0.1607

Square

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



54.0448, 0.2917, 0.5566



54.0448, 0.1198, 0.2038



54.0448, 0.2913, 0.1866



54.0448, 0.5490, 0.3818

Rectangle

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



54.0448, 0.2917, 0.5566



54.0448, 0.1496, 0.3433



54.0448, 0.2913, 0.1866



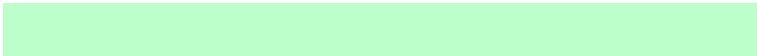
54.0448, 0.4985, 0.2825

Sweetspot

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



54.0470, 0.2917, 0.5566



86.5703, 0.3020, 0.3882



63.7761, 0.3856, 0.5232



18.2258, 0.3006, 0.3974



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.



54.0470, 0.2917, 0.5566



71.7644, 0.2950, 0.5822



56.3610, 0.2514, 0.4154



15.3824, 0.3088, 0.3482



31.1561, 0.2942, 0.5791



2.1724, 0.2864, 0.5510

Inverse Universe

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



20.3232, 0.3703, 0.1882



25.5906, 0.3812, 0.1873



17.5420, 0.5359, 0.2846



13.8856, 0.3169, 0.3105



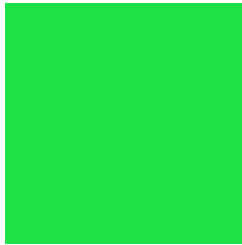
11.1278, 0.3796, 0.1865



0.7835, 0.3688, 0.1805

Previews

White Background



This preview shows how the Yxy color 54.0448, 0.2917, 0.5566 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 54.0448, 0.2917, 0.5566 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 54.0448, 0.2917, 0.5566

Background



This preview shows how black text looks on a background with the Yxy color 54.0448, 0.2917, 0.5566.

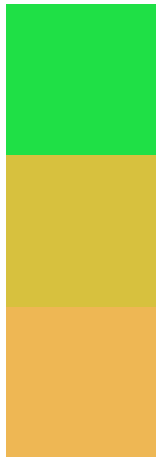


This preview shows how white text looks on a background with the Yxy color 54.0448, 0.2917, 0.5566.

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

54.0448, 0.2917, 0.5566

Protanopia

52.9348, 0.4239, 0.4678

Deuteranopia

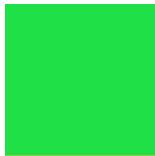
52.6842, 0.4402, 0.4311



Tritanopia

53.5248, 0.2359, 0.3061

Trichromacy



Original Color

54.0448, 0.2917, 0.5566



Protanomaly

49.8633, 0.3568, 0.5119



Deuteranomaly

48.7392, 0.3659, 0.4858



Tritanomaly

52.3354, 0.2565, 0.3963

Monochromacy



Original Color

54.0448, 0.2917, 0.5566



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.4709, 0.2972, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0448, 0.2917, 0.5566 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(31, 224, 70)` looks like.

```
.text, #text, p{  
    color:rgb(31, 224, 70)  
}
```

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(31, 224, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 224, 70) }
```

Border

The CSS property to change the border of an element to Yxy 54.0448, 0.2917, 0.5566 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(31, 224, 70) }
```

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

```
.border{ border-color:rgb(31, 224, 70) }
```

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

Here you see how a box with a 4 pixel rgb(31, 224, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 224, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 224, 70);  
box-shadow:4px 4px 4px 4px rgb(31, 224,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0448, 0.2917, 0.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 224, 70) }
```

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

```
.background{ background-color: rgb(31, 224,  
70) }
```

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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