

Converting Colors

$Y_{xy}(54.6532, 0.2935, 0.5764)$

Have a look what the booklet for
Yxy(54.6532, 0.2935, 0.5764)
contains.

Yxy(54.6471, 0.2935, 0.5764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(54.6471, 0.2935, 0.5764)

Conversions

Conversions Part 1

Format	Color
Hex	01E234
RGB	1, 226, 52
RGB Percent	0%, 89%, 20%
CMY	0.9975, 0.1137, 0.7959
CMYK	1.00, 0.00, 0.77, 0.11
HSL	134°, 99%, 44%
HSV	134°, 100%, 89%
XYZ	27.8260, 54.6471, 12.3345
YIQ	138.8890, -78.2460, -101.8140

Conversions

Conversions Part 2

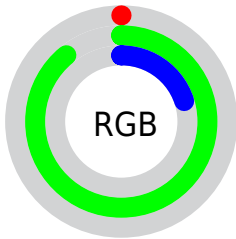
Format	Color
R_{YB}	1, 184, 226
Decimal	123444
CIE _{Lab}	78.84, -76.78, 66.74
CIE _{LCh}	79, 101.733, 139.001
Yxy	54.6471, 0.2935, 0.5764
Android (android.graphics.Color)	4278313524 (0xFF01E234)
YUV	138.8890, -42.8363, -120.9287
Hunter-Lab	73.9237, -62.1762, 41.8538

Details

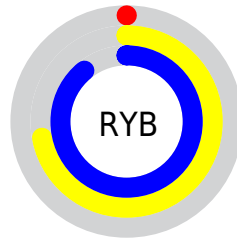
The Yxy color **54.6471, 0.2935, 0.5764** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.2637, 0.3894, 0.1920**, and the grayscale version is **25.9247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0472, 0.3041, 0.5119**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.6407, 0.2936, 0.5768**, and if you desaturate by 10%, it is **55.0177, 0.2909, 0.5586**.

Distribution



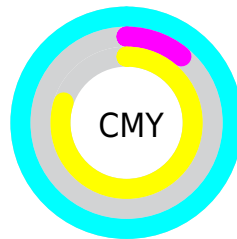
- Red (0%)
- Green (89%)
- Blue (20%)



- Red (0%)
- Yellow (72%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.6471, 0.2935, 0.5764 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 54.6471, 0.2935, 0.5764 by changing the saturation by 10% instead.


 54.6471, 0.2935,
0.5764


 54.6471, 0.2935,
0.5764


404.5728, 0.3132,
0.4466

 39.1192, 0.2851,
0.6084

 97.0237, 0.3032,
0.5290


 26.8525, 0.2725,
0.6481


 124.6413, 0.3061,
0.5111

 17.4625, 0.2529,
0.6974


 157.0575, 0.3082,
0.4961

 10.5648, 0.2261,
0.7728

 194.6568, 0.3098,
0.4832

 5.7750, 0.1723,
0.8277

 237.8236, 0.3110,
0.4721

 2.7088, 0.0383,
0.9617


286.9423, 0.3119,

 0.9816, 0.0000,

0.4625

1.0000


342.3972, 0.3126,
0.4540


 0.0000, 0.0000,
0.0000


 54.6471, 0.2935,
0.5764


 54.6471, 0.2935,
0.5764


 54.6407, 0.2936,
0.5768

 55.0177, 0.2909,
0.5586

 55.6612, 0.2892,
0.5359

 56.6492, 0.2889,
0.5093

 58.0243, 0.2900,
0.4805

 59.8228, 0.2923,
0.4511

■ 62.0767, 0.2956,
0.4223

■ 64.8149, 0.2996,
0.3952

■ 68.0637, 0.3039,
0.3704

■ 71.8478, 0.3084,
0.3482

Harmonies

Analogous

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



54.6471, 0.4067, 0.5514



54.6471, 0.2935, 0.5764



54.6471, 0.1903, 0.4639

Triad

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



54.6471, 0.2935, 0.5764



54.6471, 0.1289, 0.1569



54.6471, 0.5358, 0.2991

Complementary

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



54.6471, 0.2935, 0.5764



19.2637, 0.3894, 0.1920

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.



54.6471, 0.4204, 0.2296



54.6471, 0.2935, 0.5764



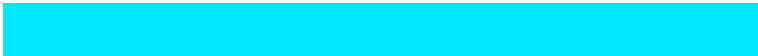
54.6471, 0.1830, 0.1524

Square

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



54.6471, 0.2935, 0.5764



54.6471, 0.1111, 0.1995



54.6471, 0.2828, 0.1775



54.6471, 0.5627, 0.3761

Rectangle

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



54.6471, 0.2935, 0.5764



54.6471, 0.1432, 0.3513



54.6471, 0.2828, 0.1775



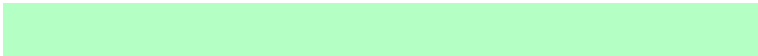
54.6471, 0.5051, 0.2748

Sweetspot

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



54.6494, 0.2935, 0.5764



85.0274, 0.2993, 0.3965



63.7664, 0.3811, 0.5355



17.8581, 0.2976, 0.4078



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.



54.6494, 0.2935, 0.5764



71.8271, 0.2938, 0.5778



57.0152, 0.2514, 0.4247



15.3882, 0.3085, 0.3476



31.1851, 0.2929, 0.5745



2.1752, 0.2848, 0.5452

Inverse Universe

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



19.2637, 0.3894, 0.1920



25.2839, 0.3901, 0.1923



16.5598, 0.5844, 0.2995



13.8793, 0.3172, 0.3111



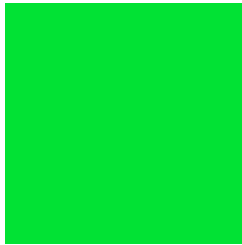
10.9967, 0.3883, 0.1913



0.7755, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 54.6471, 0.2935, 0.5764 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 54.6471, 0.2935, 0.5764 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 54.6471, 0.2935, 0.5764

Background



This preview shows how black text looks on a background with the Yxy color 54.6471, 0.2935, 0.5764.

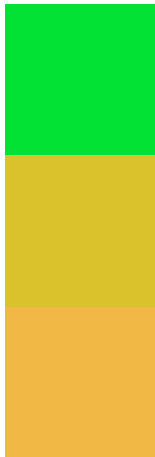


This preview shows how white text looks on a background with the Yxy color 54.6471, 0.2935, 0.5764.

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

54.6471, 0.2935, 0.5764

Protanopia

53.5171, 0.4316, 0.4776

Deuteranopia

53.4239, 0.4499, 0.4409



Tritanopia

54.5171, 0.2348, 0.3062

Trichromacy



Original Color

54.6471, 0.2935, 0.5764



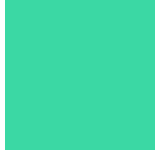
Protanomaly

49.7511, 0.3541, 0.5329



Deuteranomaly

48.0758, 0.3652, 0.5067



Tritanomaly

52.7219, 0.2556, 0.4076

Monochromacy



Original Color

54.6471, 0.2935, 0.5764



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

32.3112, 0.2936, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.6471, 0.2935, 0.5764 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(1, 226, 52)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 52)  
}
```

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(1, 226, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 52) }
```

Border

The CSS property to change the border of an element to Yxy 54.6471, 0.2935, 0.5764 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(1, 226, 52) }
```

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

```
.border{ border-color:rgb(1, 226, 52) }
```

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

Here you see how a box with a 4 pixel rgb(1, 226, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 52);  
box-shadow:4px 4px 4px 4px rgb(1, 226, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.6471, 0.2935, 0.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 52) }
```

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

```
.background{ background-color: rgb(1, 226,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor