

Converting Colors

$Y_{xy}(54.2962, 0.2942, 0.5793)$

Have a look what the booklet for
Yxy(54.2962, 0.2942, 0.5793)
contains.

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Color

Yxy(54.0638, 0.2943, 0.5794)

Conversions

Conversions Part 1

Format	Color
Hex	00E130
RGB	0, 225, 48
RGB Percent	0%, 88%, 19%
CMY	0.9990, 0.1176, 0.8117
CMYK	1.00, 0.00, 0.79, 0.12
HSL	133°, 100%, 44%
HSV	133°, 100%, 88%
XYZ	27.4611, 54.0638, 11.7850
YIQ	137.5470, -77.2830, -102.7470

Conversions

Conversions Part 2

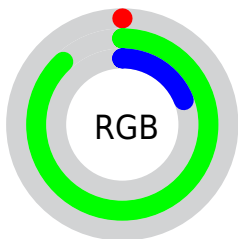
Format	Color
RYB	0, 185, 225
Decimal	57648
CIELab	78.50, -76.78, 67.62
CIELCh	78, 102.307, 138.631
Yxy	54.0638, 0.2943, 0.5794
Android (android.graphics.Color)	4278247728 (0xFF00E130)
YUV	137.5470, -44.1467, -120.6287
Hunter-Lab	73.5281, -62.0083, 41.9667

Details

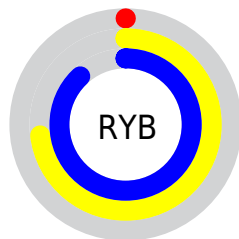
The Yxy color **54.0638, 0.2943, 0.5794** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.1969, 0.3841, 0.1890**, and the grayscale version is **25.4584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9177, 0.3048, 0.5154**, and **28.0053, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.0628, 0.2943, 0.5796**, and if you desaturate by 10%, it is **54.4203, 0.2918, 0.5622**.

Distribution



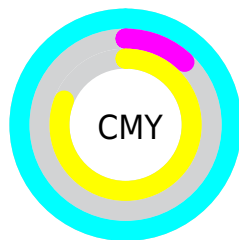
- Red (0%)
- Green (88%)
- Blue (19%)



- Red (0%)
- Yellow (73%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0638, 0.2943, 0.5794 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 54.0638, 0.2943, 0.5794 by changing the saturation by 10% instead.


 54.0638, 0.2943,
0.5794

 54.0638, 0.2943,
0.5794


402.3533, 0.3139,
0.4479

 38.6527, 0.2858,
0.6117


 96.1679, 0.3041,
0.5314

 26.4896, 0.2729,
0.6517


 123.6297, 0.3070,
0.5133


 17.1903, 0.2528,
0.7012

 155.8771, 0.3091,
0.4981

 10.3703, 0.2248,
0.7752

 193.2947, 0.3107,
0.4850

 5.6451, 0.1701,
0.8299

 236.2666, 0.3119,
0.4738

 2.6305, 0.0267,
0.9733

285.1775, 0.3127,

 0.9420, 0.0000,

0.4641

1.0000

340.4115, 0.3134,
0.4555

■ 0.0000, 0.0000,
0.0000

■ 54.0638, 0.2943,
0.5794

■ 54.0638, 0.2943,
0.5794

■ 54.0628, 0.2943,
0.5796

■ 54.4203, 0.2918,
0.5622

■ 55.0460, 0.2902,
0.5398

■ 56.0138, 0.2899,
0.5131

■ 57.3664, 0.2910,
0.4840

■ 59.1400, 0.2932,
0.4540

■ 61.3666, 0.2963,
0.4247

■ 64.0751, 0.3001,
0.3971

■ 67.2918, 0.3042,
0.3717

■ 71.0411, 0.3085,
0.3489

Harmonies

Analogous

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



54.0638, 0.4082, 0.5519



54.0638, 0.2943, 0.5794



54.0638, 0.1902, 0.4674

Triad

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



54.0638, 0.2943, 0.5794



54.0638, 0.1274, 0.1561



54.0638, 0.5368, 0.2976

Complementary

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



54.0638, 0.2943, 0.5794



19.1969, 0.3841, 0.1890

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.



54.0638, 0.4195, 0.2281



54.0638, 0.2943, 0.5794



54.0638, 0.1811, 0.1511

Square

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



54.0638, 0.2943, 0.5794



54.0638, 0.1099, 0.1993



54.0638, 0.2809, 0.1760



54.0638, 0.5648, 0.3749

Rectangle

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



54.0638, 0.2943, 0.5794



54.0638, 0.1426, 0.3533



54.0638, 0.2809, 0.1760



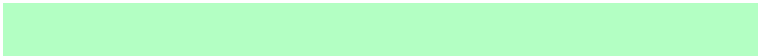
54.0638, 0.5054, 0.2734

Sweetspot

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



54.0660, 0.2943, 0.5794



84.9734, 0.3000, 0.3979



63.5609, 0.3839, 0.5333



17.8456, 0.2983, 0.4094



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.



54.0660, 0.2943, 0.5794



71.7882, 0.2946, 0.5805



56.3066, 0.2531, 0.4310



15.3847, 0.3087, 0.3480



31.1671, 0.2937, 0.5773



2.1735, 0.2858, 0.5487

Inverse Universe

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



19.1969, 0.3841, 0.1890



25.4680, 0.3847, 0.1893



16.4266, 0.5791, 0.2964



13.8831, 0.3170, 0.3107



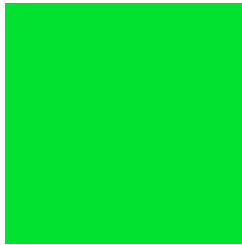
11.0754, 0.3830, 0.1883



0.7803, 0.3716, 0.1820

Previews

White Background



This preview shows how the Yxy color 54.0638, 0.2943, 0.5794 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 54.0638, 0.2943, 0.5794 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

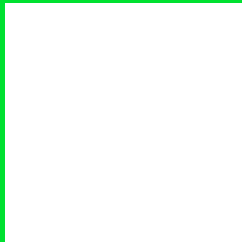
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.0638, 0.2943, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 54.0638, 0.2943, 0.5794.

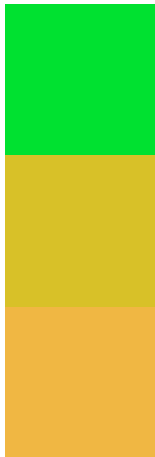


This preview shows how white text looks on a background with the Yxy color 54.0638, 0.2943, 0.5794.

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

54.0638, 0.2943, 0.5794

Protanopia

52.8921, 0.4329, 0.4793

Deuteranopia

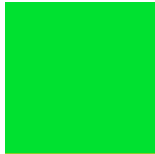
52.7975, 0.4515, 0.4424



Tritanopia

53.9664, 0.2350, 0.3061

Trichromacy



Original Color

54.0638, 0.2943, 0.5794



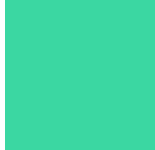
Protanomaly

49.2403, 0.3558, 0.5349



Deuteranomaly

47.4867, 0.3661, 0.5091



Tritanomaly

52.1393, 0.2563, 0.4096

Monochromacy



Original Color

54.0638, 0.2943, 0.5794



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

31.8441, 0.2942, 0.4472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0638, 0.2943, 0.5794 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(0, 225, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 48)  
}
```

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(0, 225, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 48) }
```

Border

The CSS property to change the border of an element to Yxy 54.0638, 0.2943, 0.5794 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(0, 225, 48) }
```

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

```
.border{ border-color:rgb(0, 225, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 225, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.0638, 0.2943, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 48) }
```

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

```
.background{ background-color: rgb(0, 225,  
48) }
```

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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