

Converting Colors

Yxy(54.8624, 0.2894, 0.5617)

Have a look what the booklet for
Yxy(54.8624, 0.2894, 0.5617)
contains.

Yxy(54.8101, 0.2893, 0.5615)	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(54.8101, 0.2893, 0.5615)

Conversions

Conversions Part 1

Format	Color
Hex	00E244
RGB	0, 226, 68
RGB Percent	0%, 89%, 27%
CMY	1.0000, 0.1137, 0.7332
CMYK	1.00, 0.00, 0.70, 0.11
HSL	138°, 100%, 44%
HSV	138°, 100%, 89%
XYZ	28.2396, 54.8101, 14.5640
YIQ	140.4140, -83.9780, -97.0500

Conversions

Conversions Part 2

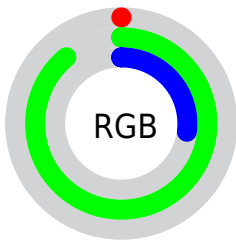
Format	Color
RYB	0, 174, 226
Decimal	57924
CIELab	78.93, -75.55, 61.39
CIElCh	79, 97.349, 140.902
Yxy	54.8101, 0.2893, 0.5615
Android (android.graphics.Color)	4278248004 (0xFF00E244)
YUV	140.4140, -35.7001, -123.1431
Hunter-Lab	74.0338, -61.4718, 40.1601

Details

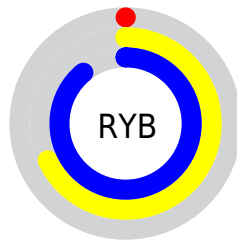
The Yxy color **54.8101, 0.2893, 0.5615** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.6372, 0.4165, 0.2068**, and the grayscale version is **26.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2902, 0.2986, 0.4970**, and **28.3759, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.8128, 0.2893, 0.5615**, and if you desaturate by 10%, it is **55.2100, 0.2861, 0.5422**.

Distribution



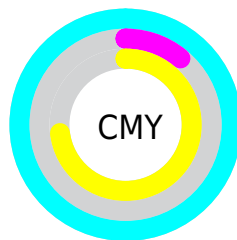
- Red (0%)
- Green (89%)
- Blue (27%)



- Red (0%)
- Yellow (68%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8101, 0.2893, 0.5615 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 54.8101, 0.2893, 0.5615 by changing the saturation by 10% instead.

 54.8101, 0.2893,
0.5615


 54.8101, 0.2893,
0.5615


405.1917, 0.3095,
0.4389


 39.2497, 0.2814,
0.5923


 97.2627, 0.2988,
0.5164


 26.9540, 0.2697,
0.6310


 124.9236, 0.3017,
0.4995

 17.5387, 0.2516,
0.6802


 157.3869, 0.3039,
0.4853

 10.6193, 0.2243,
0.7475

 195.0369, 0.3056,
0.4733

 5.8115, 0.1774,
0.8226

 238.2579, 0.3069,
0.4629

 2.7308, 0.0513,
0.9487

287.4345, 0.3079,

 0.9929, 0.0000,

0.4538

1.0000

342.9509, 0.3088,
0.4459

■ 0.0000, 0.0000,
0.0000

■ 54.8101, 0.2893,
0.5615

■ 54.8101, 0.2893,
0.5615

■ 54.8128, 0.2893,
0.5615

■ 55.2100, 0.2861,
0.5422

■ 55.8704, 0.2842,
0.5194

■ 56.8645, 0.2839,
0.4938

■ 58.2336, 0.2852,
0.4669

■ 60.0131, 0.2879,
0.4399

■ 62.2339, 0.2918,
0.4139

■ 64.9238, 0.2965,
0.3894

■ 68.1086, 0.3017,
0.3670

■ 71.8119, 0.3072,
0.3469

Harmonies

Analogous

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



54.8101, 0.3994, 0.5483



54.8101, 0.2893, 0.5615



54.8101, 0.1904, 0.4474

Triad

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



54.8101, 0.2893, 0.5615



54.8101, 0.1366, 0.1612



54.8101, 0.5311, 0.3060

Complementary

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



54.8101, 0.2893, 0.5615



18.6372, 0.4165, 0.2068

Split Complementary

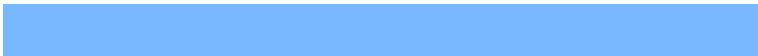
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.8101, 0.4246, 0.2372



54.8101, 0.2893, 0.5615



54.8101, 0.1923, 0.1584

Square

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



54.8101, 0.2893, 0.5615



54.8101, 0.1171, 0.2007



54.8101, 0.2920, 0.1848



54.8101, 0.5527, 0.3823

Rectangle

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



54.8101, 0.2893, 0.5615



54.8101, 0.1462, 0.3416



54.8101, 0.2920, 0.1848



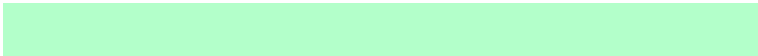
54.8101, 0.5033, 0.2820

Sweetspot

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



54.8128, 0.2893, 0.5615



85.2862, 0.2964, 0.3899



61.6848, 0.3666, 0.5471



17.9180, 0.2943, 0.4000



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.



54.8128, 0.2893, 0.5615



72.0524, 0.2896, 0.5626



57.7232, 0.2431, 0.3950



15.4048, 0.3075, 0.3458



31.2878, 0.2885, 0.5587



2.1842, 0.2799, 0.5276

Inverse Universe

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



18.6372, 0.4165, 0.2068



24.4840, 0.4172, 0.2072



16.3605, 0.6102, 0.3135



13.8617, 0.3184, 0.3128



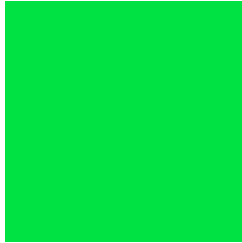
10.6540, 0.4146, 0.2058



0.7541, 0.3967, 0.1959

Previews

White Background



This preview shows how the Yxy color 54.8101, 0.2893, 0.5615 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 54.8101, 0.2893, 0.5615 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 54.8101, 0.2893, 0.5615

Background



This preview shows how black text looks on a background with the Yxy color 54.8101, 0.2893, 0.5615.

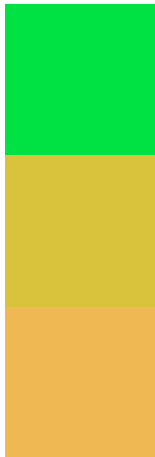


This preview shows how white text looks on a background with the Yxy color 54.8101, 0.2893, 0.5615.

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

54.8101, 0.2893, 0.5615

Protanopia

53.6615, 0.4257, 0.4689

Deuteranopia

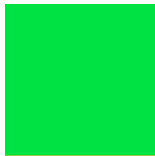
53.4308, 0.4417, 0.4320



Tritanopia

54.4653, 0.2345, 0.3062

Trichromacy



Original Color

54.8101, 0.2893, 0.5615



Protanomaly

49.9048, 0.3487, 0.5202



Deuteranomaly

48.1692, 0.3573, 0.4927



Tritanomaly

52.9438, 0.2527, 0.3980

Monochromacy



Original Color

54.8101, 0.2893, 0.5615



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

32.4646, 0.2887, 0.4316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8101, 0.2893, 0.5615 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, 226, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 68)  
}
```

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, 226, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 68) }
```

Border

The CSS property to change the border of an element to Yxy 54.8101, 0.2893, 0.5615 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, 226, 68) }
```

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

```
.border{ border-color:rgb(0, 226, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 226, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.8101, 0.2893, 0.5615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 68) }
```

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

```
.background{ background-color: rgb(0, 226,  
68) }
```

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