

Converting Colors

$Y_{xy}(55.4266, 0.2871, 0.5536)$

Have a look what the booklet for
Yxy(55.4266, 0.2871, 0.5536)
contains.

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Color

Yxy(55.4600, 0.2870, 0.5532)

Conversions

Conversions Part 1

Format	Color
Hex	00E34C
RGB	0, 227, 76
RGB Percent	0%, 89%, 30%
CMY	1.0000, 0.1098, 0.7021
CMYK	1.00, 0.00, 0.67, 0.11
HSL	140°, 100%, 45%
HSV	140°, 100%, 89%
XYZ	28.7726, 55.4600, 16.0204
YIQ	141.9130, -86.8210, -95.0850

Conversions

Conversions Part 2

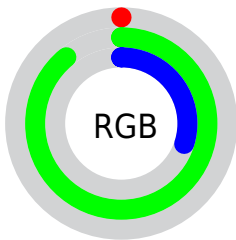
Format	Color
RYB	0, 170, 227
Decimal	58188
CIELab	79.31, -75.07, 58.74
CIELCh	79, 95.320, 141.962
Yxy	55.4600, 0.2870, 0.5532
Android (android.graphics.Color)	4278248268 (0xFF00E34C)
YUV	141.9130, -32.4951, -124.4577
Hunter-Lab	74.4715, -61.3602, 39.3755

Details

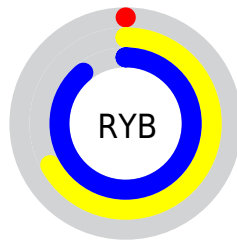
The Yxy color **55.4600, 0.2870, 0.5532** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.5670, 0.4296, 0.2140**, and the grayscale version is **27.1707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4737, 0.2957, 0.4885**, and **28.7670, 0.2991, 0.5967** is the 20% darker color. If you saturate the color by 10%, you get **55.4623, 0.2870, 0.5532**, and if you desaturate by 10%, it is **55.8762, 0.2837, 0.5336**.

Distribution



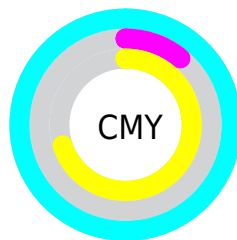
- Red (0%)
- Green (89%)
- Blue (30%)



- Red (0%)
- Yellow (67%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (11%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4600, 0.2870, 0.5532 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 55.4600, 0.2870, 0.5532 by changing the saturation by 10% instead.

 55.4600, 0.2870,
0.5532

 55.4600, 0.2870,
0.5532

407.6533, 0.3075,
0.4350


 39.7701, 0.2793,
0.5831


 98.2146, 0.2963,
0.5096


 27.3594, 0.2681,
0.6209

 126.0481, 0.2993,
0.4933


 17.8433, 0.2509,
0.6694


 158.6983, 0.3015,
0.4797

 10.8375, 0.2241,
0.7332

 196.5496, 0.3033,
0.4680

 5.9577, 0.1815,
0.8185

 239.9863, 0.3047,
0.4580

 2.8194, 0.0658,
0.9342

289.3929, 0.3058,

 1.0382, 0.0000,

0.4493

1.0000

345.1538, 0.3067,
0.4417

■ 0.0000, 0.0000,
0.0000

■ 55.4600, 0.2870,
0.5532

■ 55.4600, 0.2870,
0.5532

■ 55.4623, 0.2870,
0.5532

■ 55.8762, 0.2837,
0.5336

■ 56.5523, 0.2817,
0.5109

■ 57.5609, 0.2814,
0.4861

■ 58.9436, 0.2829,
0.4602

■ 60.7353, 0.2859,
0.4344

■ 62.9671, 0.2901,
0.4096

■ 65.6668, 0.2952,
0.3864

■ 68.8598, 0.3008,
0.3651

■ 72.5698, 0.3067,
0.3460

Harmonies

Analogous

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



55.4600, 0.3953, 0.5461



55.4600, 0.2870, 0.5532



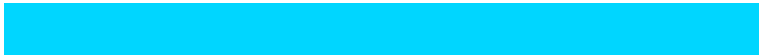
55.4600, 0.1906, 0.4388

Triad

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



55.4600, 0.2870, 0.5532



55.4600, 0.1409, 0.1637



55.4600, 0.5283, 0.3098

Complementary

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



55.4600, 0.2870, 0.5532



18.5670, 0.4296, 0.2140

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.



55.4600, 0.4266, 0.2413



55.4600, 0.2870, 0.5532



55.4600, 0.1974, 0.1618

Square

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



55.4600, 0.2870, 0.5532



55.4600, 0.1205, 0.2014



55.4600, 0.2969, 0.1888



55.4600, 0.5472, 0.3856

Rectangle

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



55.4600, 0.2870, 0.5532



55.4600, 0.1478, 0.3367



55.4600, 0.2969, 0.1888



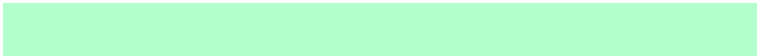
55.4600, 0.5021, 0.2859

Sweetspot

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



55.4623, 0.2870, 0.5532



85.4088, 0.2950, 0.3868



61.5525, 0.3611, 0.5515



17.9465, 0.2928, 0.3965



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.



55.4623, 0.2870, 0.5532



72.1814, 0.2873, 0.5543



58.6224, 0.2398, 0.3834



16.1684, 0.3070, 0.3450



32.3636, 0.2862, 0.5505



2.4083, 0.2780, 0.5208

Inverse Universe

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



18.5670, 0.4296, 0.2140



24.1492, 0.4305, 0.2145



16.4706, 0.6182, 0.3179



14.5289, 0.3189, 0.3135



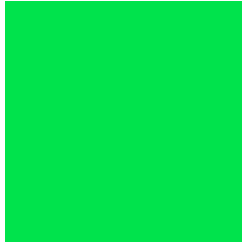
10.8504, 0.4276, 0.2129



0.8189, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 55.4600, 0.2870, 0.5532 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 55.4600, 0.2870, 0.5532 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

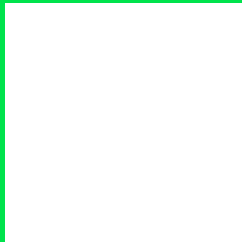
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4600, 0.2870, 0.5532

Background



This preview shows how black text looks on a background with the Yxy color 55.4600, 0.2870, 0.5532.

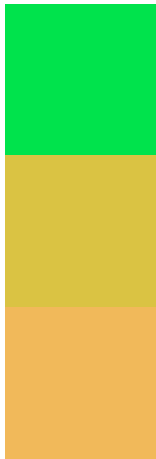


This preview shows how white text looks on a background with the Yxy color 55.4600, 0.2870, 0.5532.

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

55.4600, 0.2870, 0.5532

Protanopia

54.3409, 0.4227, 0.4645

Deuteranopia

54.1369, 0.4374, 0.4269



Tritanopia

55.0194, 0.2343, 0.3063

Trichromacy



Original Color

55.4600, 0.2870, 0.5532



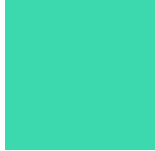
Protanomaly

50.5568, 0.3463, 0.5139



Deuteranomaly

48.7367, 0.3532, 0.4859



Tritanomaly

53.5726, 0.2515, 0.3945

Monochromacy



Original Color

55.4600, 0.2870, 0.5532



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

33.3688, 0.2868, 0.4267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4600, 0.2870, 0.5532 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, 227, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 76)  
}
```

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, 227, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 76) }
```

Border

The CSS property to change the border of an element to Yxy 55.4600, 0.2870, 0.5532 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, 227, 76) }
```

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

```
.border{ border-color:rgb(0, 227, 76) }
```

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

Here you see how a box with a 4 pixel rgb(0, 227, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.4600, 0.2870, 0.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 76) }
```

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

```
.background{ background-color: rgb(0, 227,  
76) }
```

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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