

Converting Colors

$Y_{xy}(55.6565, 0.2819, 0.5347)$

Have a look what the booklet for
Yxy(55.6565, 0.2819, 0.5347)
contains.

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Color

Yxy(55.6935, 0.2819, 0.5347)

Conversions

Conversions Part 1

Format	Color
Hex	00E35B
RGB	0, 227, 91
RGB Percent	0%, 89%, 36%
CMY	0.9981, 0.1098, 0.6431
CMYK	1.00, 0.00, 0.60, 0.11
HSL	144°, 100%, 45%
HSV	144°, 100%, 89%
XYZ	29.3623, 55.6935, 19.1027
YIQ	143.6230, -91.6360, -90.4200

Conversions

Conversions Part 2

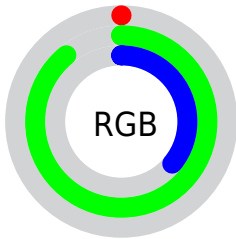
Format	Color
RYB	0, 162, 227
Decimal	58203
CIELab	79.44, -73.37, 52.59
CIELCh	79, 90.271, 144.370
Yxy	55.6935, 0.2819, 0.5347
Android (android.graphics.Color)	4278248283 (0xFF00E35B)
YUV	143.6230, -25.9431, -125.9574
Hunter-Lab	74.6281, -60.3687, 37.0631

Details

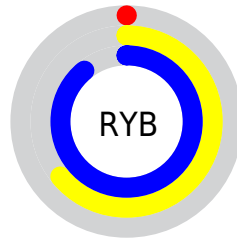
The Yxy color **55.6935, 0.2819, 0.5347** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.1319, 0.4557, 0.2285**, and the grayscale version is **27.9258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8155, 0.2892, 0.4709**, and **28.8768, 0.2936, 0.5771** is the 20% darker color. If you saturate the color by 10%, you get **55.6876, 0.2820, 0.5351**, and if you desaturate by 10%, it is **56.1340, 0.2785, 0.5150**.

Distribution



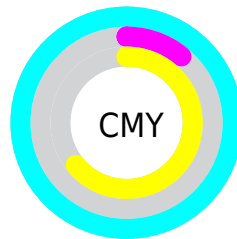
- Red (0%)
- Green (89%)
- Blue (36%)



- Red (0%)
- Yellow (64%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6935, 0.2819, 0.5347 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 55.6935, 0.2819, 0.5347 by changing the saturation by 10% instead.


 55.6935, 0.2819,
0.5347


 55.6935, 0.2819,
0.5347


408.5354, 0.3034,
0.4261


 39.9572, 0.2746,
0.5626


 98.5563, 0.2912,
0.4944


 27.5052, 0.2640,
0.5983


 126.4516, 0.2942,
0.4795


 17.9530, 0.2483,
0.6449


 159.1688, 0.2966,
0.4669

 10.9163, 0.2234,
0.7065

 197.0921, 0.2985,
0.4563

 6.0105, 0.1886,
0.8114

 240.6060, 0.3001,
0.4471

 2.8515, 0.0819,
0.9181

290.0950, 0.3014,

 1.0547, 0.0000,

0.4392

1.0000

345.9433, 0.3024,
0.4322

■ 0.0000, 0.0000,
0.0000

■ 55.6935, 0.2819,
0.5347

■ 55.6935, 0.2819,
0.5347

■ 55.6876, 0.2820,
0.5351

■ 56.1340, 0.2785,
0.5150

■ 56.8296, 0.2767,
0.4932

■ 57.8502, 0.2767,
0.4701

■ 59.2362, 0.2786,
0.4464

■ 61.0218, 0.2821,
0.4232

■ 63.2372, 0.2869,
0.4009

■ 65.9097, 0.2927,
0.3801

■ 69.0639, 0.2991,
0.3611

■ 72.7230, 0.3059,
0.3440

Harmonies

Analogous

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



55.6935, 0.3862, 0.5402



55.6935, 0.2819, 0.5347



55.6935, 0.1910, 0.4208

Triad

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



55.6935, 0.2819, 0.5347



55.6935, 0.1506, 0.1691



55.6935, 0.5219, 0.3179

Complementary

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



55.6935, 0.2819, 0.5347



18.1319, 0.4557, 0.2285

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.



55.6935, 0.4305, 0.2504



55.6935, 0.2819, 0.5347



55.6935, 0.2087, 0.1693

Square

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



55.6935, 0.2819, 0.5347



55.6935, 0.1281, 0.2032



55.6935, 0.3075, 0.1977



55.6935, 0.5350, 0.3923

Rectangle

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



55.6935, 0.2819, 0.5347



55.6935, 0.1516, 0.3267



55.6935, 0.3075, 0.1977



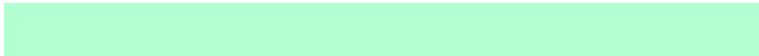
55.6935, 0.4989, 0.2944

Sweetspot

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



55.6958, 0.2819, 0.5347



85.6514, 0.2924, 0.3809



60.5281, 0.3531, 0.5578



18.0032, 0.2899, 0.3896



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.



55.6958, 0.2819, 0.5347



72.4777, 0.2823, 0.5362



59.1371, 0.2351, 0.3661



16.1841, 0.3062, 0.3434



32.4995, 0.2812, 0.5323



2.4195, 0.2730, 0.5029

Inverse Universe

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



18.1319, 0.4557, 0.2285



23.5626, 0.4572, 0.2292



16.4198, 0.6273, 0.3231



14.5126, 0.3199, 0.3150



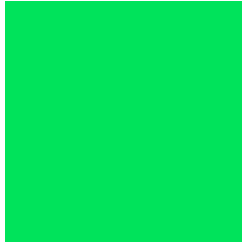
10.5891, 0.4535, 0.2272



0.8007, 0.4289, 0.2136

Previews

White Background



This preview shows how the Yxy color 55.6935, 0.2819, 0.5347 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 55.6935, 0.2819, 0.5347 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 55.6935, 0.2819, 0.5347

Background



This preview shows how black text looks on a background with the Yxy color 55.6935, 0.2819, 0.5347.

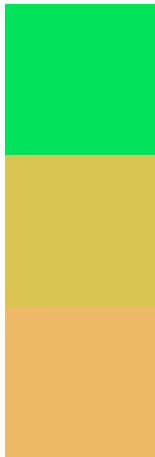


This preview shows how white text looks on a background with the Yxy color 55.6935, 0.2819, 0.5347.

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

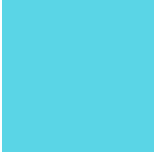
55.6935, 0.2819, 0.5347

Protanopia

54.3760, 0.4146, 0.4544

Deuteranopia

54.4478, 0.4262, 0.4173



Tritanopia

55.4753, 0.2335, 0.3063

Trichromacy



Original Color

55.6935, 0.2819, 0.5347



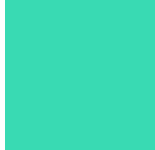
Protanomaly

50.6848, 0.3386, 0.4985



Deuteranomaly

49.3495, 0.3441, 0.4706



Tritanomaly

54.2673, 0.2485, 0.3864

Monochromacy



Original Color

55.6935, 0.2819, 0.5347



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

34.0281, 0.2835, 0.4149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6935, 0.2819, 0.5347 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 91) }
```

Border

The CSS property to change the border of an element to Yxy 55.6935, 0.2819, 0.5347 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, 91) }
```

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

```
.border{ border-color:rgb(0, 227, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 55.6935, 0.2819, 0.5347 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, 91) }
```

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

```
.background{ background-color: rgb(0, 227,  
91) }
```

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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