

Converting Colors

$Y_{xy}(58.4711, 0.2731, 0.5035)$

Have a look what the booklet for
Yxy(58.4711, 0.2731, 0.5035)
contains.

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Color

Yxy(58.3896, 0.2733, 0.5039)

Conversions

Conversions Part 1

Format	Color
Hex	00E773
RGB	0, 231, 115
RGB Percent	0%, 91%, 45%
CMY	1.0000, 0.0941, 0.5491
CMYK	1.00, 0.00, 0.50, 0.09
HSL	150°, 100%, 45%
HSV	150°, 100%, 91%
XYZ	31.6687, 58.3896, 25.8170
YIQ	148.7070, -100.4400, -85.0480

Conversions

Conversions Part 2

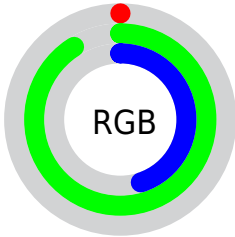
Format	Color
RYB	0, 154, 231
Decimal	59251
CIELab	80.95, -71.28, 43.38
CIELCh	81, 83.439, 148.678
Yxy	58.3896, 0.2733, 0.5039
Android (android.graphics.Color)	4278249331 (0xFF00E773)
YUV	148.7070, -16.6176, -130.4160
Hunter-Lab	76.4131, -59.7451, 33.4574

Details

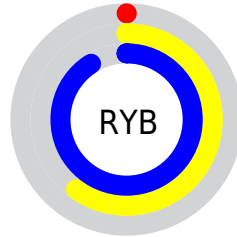
The Yxy color **58.3896, 0.2733, 0.5039** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **18.2512, 0.4980, 0.2517**, and the grayscale version is **30.0289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6358, 0.2785, 0.4391**, and **30.6310, 0.2841, 0.5428** is the 20% darker color. If you saturate the color by 10%, you get **58.3926, 0.2733, 0.5039**, and if you desaturate by 10%, it is **58.8601, 0.2702, 0.4858**.

Distribution



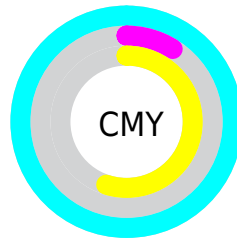
- Red (0%)
- Green (91%)
- Blue (45%)



- Red (0%)
- Yellow (60%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3896, 0.2733, 0.5039 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 58.3896, 0.2733, 0.5039 by changing the saturation by 10% instead.


 58.3896, 0.2733,
0.5039


 58.3896, 0.2733,
0.5039

418.6361, 0.2968,
0.4123


 42.1219, 0.2663,
0.5275


 102.4900, 0.2827,
0.4699

 29.1968, 0.2567,
0.5580


 131.0915, 0.2860,
0.4573

 19.2297, 0.2429,
0.5985


 164.5731, 0.2886,
0.4468

 11.8364, 0.2221,
0.6540

 203.3192, 0.2908,
0.4378

 6.6324, 0.1895,
0.7333

 247.7141, 0.2927,
0.4301

 3.2333, 0.1257,
0.8743

298.1423, 0.2943,

 1.2547, 0.0000,

0.4233

1.0000

354.9882, 0.2956,
0.4175

■ 0.1057, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3896, 0.2733,
0.5039

■ 58.3896, 0.2733,
0.5039


■ 58.3926, 0.2733,
0.5039


■ 58.8601, 0.2702,
0.4858

■ 59.5812, 0.2687,
0.4665

■ 60.6267, 0.2693,
0.4467

■ 62.0384, 0.2718,
0.4269

 63.8511, 0.2761,
0.4075

 66.0958, 0.2818,
0.3891

 68.8002, 0.2887,
0.3719

 71.9894, 0.2963,
0.3561

 75.6870, 0.3044,
0.3418

Harmonies

Analogous

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



58.3896, 0.3706, 0.5274



58.3896, 0.2733, 0.5039



58.3896, 0.1920, 0.3939

Triad

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



58.3896, 0.2733, 0.5039



58.3896, 0.1672, 0.1784



58.3896, 0.5105, 0.3310

Complementary

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



58.3896, 0.2733, 0.5039



18.2512, 0.4980, 0.2517

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.



58.3896, 0.4355, 0.2654



58.3896, 0.2733, 0.5039



58.3896, 0.2279, 0.1822

Square

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



58.3896, 0.2733, 0.5039



58.3896, 0.1412, 0.2064



58.3896, 0.3244, 0.2128



58.3896, 0.5146, 0.4026

Rectangle

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



58.3896, 0.2733, 0.5039



58.3896, 0.1581, 0.3120



58.3896, 0.3244, 0.2128



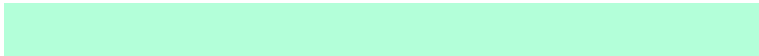
58.3896, 0.4927, 0.3083

Sweetspot

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



58.3926, 0.2733, 0.5039



86.0322, 0.2885, 0.3721



61.1020, 0.3379, 0.5699



18.0928, 0.2855, 0.3793



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.



58.3926, 0.2733, 0.5039



73.0506, 0.2736, 0.5048



62.7097, 0.2261, 0.3339



16.2082, 0.3048, 0.3410



32.7590, 0.2725, 0.5011



2.4395, 0.2651, 0.4743

Inverse Universe

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



18.2512, 0.4980, 0.2517



22.8202, 0.4992, 0.2523



16.9983, 0.6387, 0.3292



14.4882, 0.3214, 0.3173



10.2564, 0.4945, 0.2498



0.7767, 0.4623, 0.2320

Previews

White Background



This preview shows how the Yxy color 58.3896, 0.2733, 0.5039 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 58.3896, 0.2733, 0.5039 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 58.3896, 0.2733, 0.5039

Background



This preview shows how black text looks on a background with the Yxy color 58.3896, 0.2733, 0.5039.

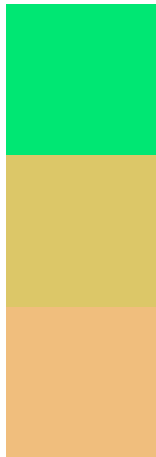


This preview shows how white text looks on a background with the Yxy color 58.3896, 0.2733, 0.5039.

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

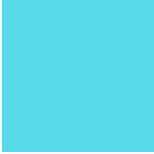
58.3896, 0.2733, 0.5039

Protanopia

57.0620, 0.4008, 0.4361

Deuteranopia

56.8328, 0.4082, 0.3997



Tritanopia

58.2157, 0.2323, 0.3067

Trichromacy



Original Color

58.3896, 0.2733, 0.5039



Protanomaly

53.2467, 0.3270, 0.4729



Deuteranomaly

51.8154, 0.3303, 0.4455



Tritanomaly

57.3777, 0.2443, 0.3745

Monochromacy



Original Color

58.3896, 0.2733, 0.5039



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.4792, 0.2780, 0.4000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3896, 0.2733, 0.5039 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, 231, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 115)  
}
```

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, 231, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 115) }
```

Border

The CSS property to change the border of an element to Yxy 58.3896, 0.2733, 0.5039 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, 231, 115) }
```

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

```
.border{ border-color:rgb(0, 231, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3896, 0.2733, 0.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 115) }
```

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

```
.background{ background-color: rgb(0, 231,  
115) }
```

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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