

Converting Colors

$Y_{xy}(57.7633, 0.2994, 0.5980)$

Have a look what the booklet for
Yxy(57.7633, 0.2994, 0.5980)
contains.

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Color

Yxy(57.7351, 0.2994, 0.5980)

Conversions

Conversions Part 1

Format	Color
Hex	00E80A
RGB	0, 232, 10
RGB Percent	0%, 91%, 4%
CMY	1.0000, 0.0902, 0.9609
CMYK	1.00, 0.00, 0.96, 0.09
HSL	123°, 100%, 45%
HSV	123°, 100%, 91%
XYZ	28.9062, 57.7351, 9.9057
YIQ	137.3240, -67.0100, -118.2260

Conversions

Conversions Part 2

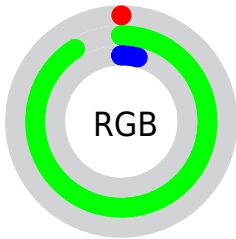
Format	Color
RYB	0, 222, 232
Decimal	59402
CIELab	80.59, -80.10, 76.59
CIELCh	81, 110.820, 136.284
Yxy	57.7351, 0.2994, 0.5980
Android (android.graphics.Color)	4278249482 (0xFF00E80A)
YUV	137.3240, -62.7707, -120.4331
Hunter-Lab	75.9836, -65.0652, 45.4591

Details

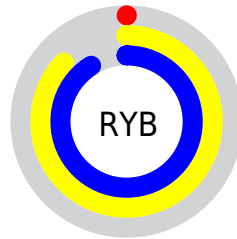
The Yxy color **57.7351, 0.2994, 0.5980** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.4339, 0.3321, 0.1603**, and the grayscale version is **25.4081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7689, 0.3125, 0.5331**, and **30.2721, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **57.7409, 0.2994, 0.5980**, and if you desaturate by 10%, it is **58.0088, 0.2993, 0.5889**.

Distribution



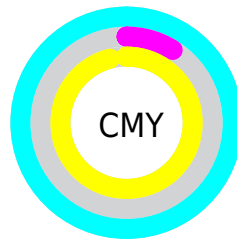
- Red (0%)
- Green (91%)
- Blue (4%)



- Red (0%)
- Yellow (87%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7351, 0.2994, 0.5980 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 57.7351, 0.2994, 0.5980 by changing the saturation by 10% instead.

 57.7351, 0.2994,
0.5980


 57.7351, 0.2994,
0.5980


416.1981, 0.3189,
0.4597

 41.5957, 0.2903,
0.6304


 101.5370, 0.3097,
0.5486


 28.7849, 0.2765,
0.6695


 129.9683, 0.3127,
0.5296


 18.9181, 0.2552,
0.7166


 163.2657, 0.3147,
0.5135

 11.6111, 0.2236,
0.7764

 201.8136, 0.3162,
0.4996

 6.4795, 0.1711,
0.8289

 245.9964, 0.3173,
0.4876

 3.1388, 0.0631,
0.9369

 296.1985, 0.3180,

 1.2046, 0.0000,

0.4771

1.0000

352.8043, 0.3186,
0.4679

■ 0.0655, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7351, 0.2994,
0.5980

■ 57.7351, 0.2994,
0.5980

■ 57.7409, 0.2994,
0.5980

■ 58.0088, 0.2993,
0.5889

■ 58.5792, 0.2994,
0.5716

■ 59.5363, 0.3000,
0.5466

■ 60.9327, 0.3012,
0.5157

■ 62.8126, 0.3029,
0.4815

■ 65.2148, 0.3048,
0.4466

■ 68.1743, 0.3069,
0.4129

■ 71.7228, 0.3089,
0.3817

■ 75.8901, 0.3109,
0.3537

Harmonies

Analogous

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



57.7351, 0.4174, 0.5542



57.7351, 0.2994, 0.5980



57.7351, 0.1901, 0.4907

Triad

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



57.7351, 0.2994, 0.5980



57.7351, 0.1177, 0.1506



57.7351, 0.5425, 0.2884

Complementary

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



57.7351, 0.2994, 0.5980



22.4339, 0.3321, 0.1603

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.



57.7351, 0.4133, 0.2181



57.7351, 0.2994, 0.5980



57.7351, 0.1692, 0.1434

Square

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



57.7351, 0.2994, 0.5980



57.7351, 0.1022, 0.1979



57.7351, 0.2686, 0.1667



57.7351, 0.5779, 0.3663

Rectangle

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



57.7351, 0.2994, 0.5980



57.7351, 0.1389, 0.3673



57.7351, 0.2686, 0.1667



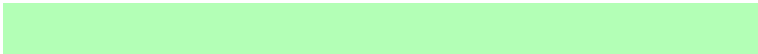
57.7351, 0.5072, 0.2639

Sweetspot

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



57.7409, 0.2994, 0.5980



84.4128, 0.3068, 0.4134



73.6106, 0.4135, 0.5099



17.7176, 0.3060, 0.4274



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.



57.7409, 0.2994, 0.5980



71.5441, 0.2995, 0.5982



59.1677, 0.2699, 0.4917



16.0991, 0.3110, 0.3522



32.0569, 0.2992, 0.5972



2.3725, 0.2970, 0.5893

Inverse Universe

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



22.4339, 0.3321, 0.1603



27.7946, 0.3322, 0.1604



18.2460, 0.5133, 0.2601



14.6040, 0.3144, 0.3068



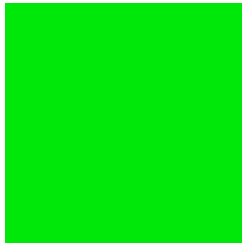
12.4582, 0.3319, 0.1602



0.9240, 0.3302, 0.1593

Previews

White Background



This preview shows how the Yxy color 57.7351, 0.2994, 0.5980 looks on a white background.

Color Contrast Check

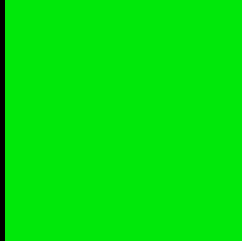
Large Text (above 18pt) WCAG AA × Fail

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 57.7351, 0.2994, 0.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

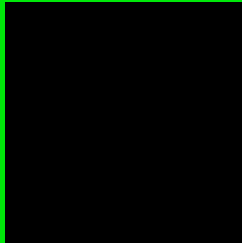
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

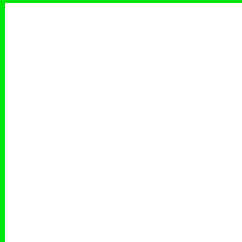
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7351, 0.2994, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 57.7351, 0.2994, 0.5980.



This preview shows how white text looks on a background with the Yxy color 57.7351, 0.2994, 0.5980.

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

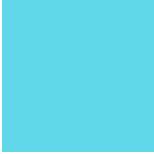
57.7351, 0.2994, 0.5980

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

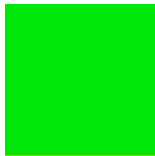
56.3452, 0.4613, 0.4509



Tritanopia

57.5363, 0.2356, 0.3067

Trichromacy



Original Color

57.7351, 0.2994, 0.5980



Protanomaly

52.4369, 0.3628, 0.5491



Deuteranomaly

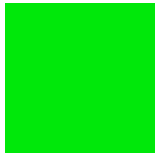
50.5822, 0.3746, 0.5262



Tritanomaly

55.5337, 0.2640, 0.4340

Monochromacy



Original Color

57.7351, 0.2994, 0.5980



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

32.2866, 0.3030, 0.4755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7351, 0.2994, 0.5980 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, 232, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 10)  
}
```

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, 232, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 10) }
```

Border

The CSS property to change the border of an element to Yxy 57.7351, 0.2994, 0.5980 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, 232, 10) }
```

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

```
.border{ border-color:rgb(0, 232, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 232, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 57.7351, 0.2994, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 10) }
```

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

```
.background{ background-color: rgb(0, 232,  
10) }
```

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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