

Converting Colors

$Y_{xy}(54.9341, 0.2994, 0.5978)$

Have a look what the booklet for
Yxy(54.9341, 0.2994, 0.5978)
contains.

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Color

Yxy(54.9601, 0.2994, 0.5979)

Conversions

Conversions Part 1

Format	Color
Hex	00E30A
RGB	0, 227, 10
RGB Percent	0%, 89%, 4%
CMY	1.0000, 0.1098, 0.9613
CMYK	1.00, 0.00, 0.96, 0.11
HSL	123°, 100%, 45%
HSV	123°, 100%, 89%
XYZ	27.5214, 54.9601, 9.4404
YIQ	134.3890, -65.6350, -115.6110

Conversions

Conversions Part 2

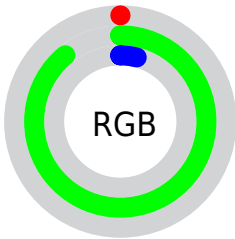
Format	Color
RYB	0, 217, 227
Decimal	58122
CIELab	79.02, -78.78, 75.30
CIELCh	79, 108.979, 136.290
Yxy	54.9601, 0.2994, 0.5979
Android (android.graphics.Color)	4278248202 (0xFF00E30A)
YUV	134.3890, -61.3238, -117.8592
Hunter-Lab	74.1351, -63.4712, 44.3446

Details

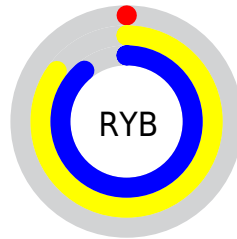
The Yxy color **54.9601, 0.2994, 0.5979** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.3489, 0.3323, 0.1604**, and the grayscale version is **24.2358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6860, 0.3123, 0.5343**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **54.9636, 0.2994, 0.5979**, and if you desaturate by 10%, it is **55.2226, 0.2992, 0.5887**.

Distribution



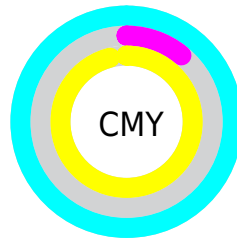
- Red (0%)
- Green (89%)
- Blue (4%)



- Red (0%)
- Yellow (85%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9601, 0.2994, 0.5979 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 54.9601, 0.2994, 0.5979 by changing the saturation by 10% instead.

 54.9601, 0.2994,
0.5979


 54.9601, 0.2994,
0.5979


405.7607, 0.3190,
0.4585

 39.3698, 0.2901,
0.6309


 97.4825, 0.3098,
0.5478

 27.0475, 0.2759,
0.6708


 125.1834, 0.3128,
0.5287

 17.6089, 0.2541,
0.7196


 157.6898, 0.3148,
0.5124

 10.6696, 0.2206,
0.7794

 195.3864, 0.3163,
0.4985

 5.8451, 0.1661,
0.8339

 238.6573, 0.3173,
0.4864

 2.7511, 0.0276,
0.9724


 287.8871, 0.3181,


 1.0032, 0.0000,


0.4759


1.0000


343.4601, 0.3186,
0.4667


 0.0000, 0.0000,
0.0000


 54.9601, 0.2994,
0.5979


 54.9601, 0.2994,
0.5979


 54.9636, 0.2994,
0.5979

 55.2226, 0.2992,
0.5887

 55.7688, 0.2993,
0.5713

 56.6827, 0.3000,
0.5462

 58.0140, 0.3012,
0.5153

 59.8046, 0.3029,
0.4812

■ 62.0913, 0.3048,
0.4463

■ 64.9070, 0.3069,
0.4127

■ 68.2822, 0.3089,
0.3816

■ 72.2446, 0.3109,
0.3536

Harmonies

Analogous

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



54.9601, 0.4173, 0.5541



54.9601, 0.2994, 0.5979



54.9601, 0.1901, 0.4906

Triad

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



54.9601, 0.2994, 0.5979



54.9601, 0.1177, 0.1506



54.9601, 0.5425, 0.2885

Complementary

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



54.9601, 0.2994, 0.5979



21.3489, 0.3323, 0.1604

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.



54.9601, 0.4133, 0.2182



54.9601, 0.2994, 0.5979



54.9601, 0.1693, 0.1435

Square

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



54.9601, 0.2994, 0.5979



54.9601, 0.1023, 0.1979



54.9601, 0.2686, 0.1667



54.9601, 0.5778, 0.3664

Rectangle

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



54.9601, 0.2994, 0.5979



54.9601, 0.1389, 0.3673



54.9601, 0.2686, 0.1667



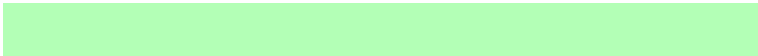
54.9601, 0.5071, 0.2639

Sweetspot

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



54.9636, 0.2994, 0.5979



84.4144, 0.3068, 0.4133



70.0704, 0.4135, 0.5099



17.7180, 0.3059, 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.



54.9636, 0.2994, 0.5979



71.5444, 0.2995, 0.5982



56.3242, 0.2699, 0.4915



16.0993, 0.3110, 0.3522



32.0571, 0.2992, 0.5971



2.3725, 0.2970, 0.5891

Inverse Universe

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



21.3489, 0.3323, 0.1604



27.7864, 0.3323, 0.1604



17.3713, 0.5130, 0.2600



14.6038, 0.3145, 0.3068



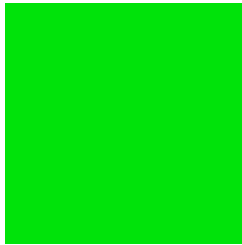
12.4546, 0.3321, 0.1603



0.9237, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 54.9601, 0.2994, 0.5979 looks on a white background.

Color Contrast Check

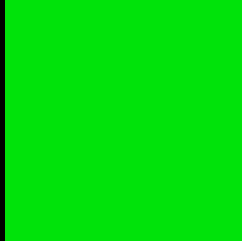
Large Text (above 18pt) WCAG AA × Fail

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 54.9601, 0.2994, 0.5979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

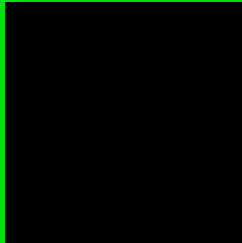
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

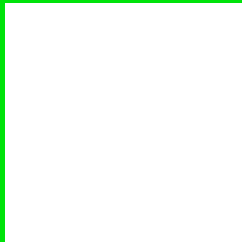
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9601, 0.2994, 0.5979

Background



This preview shows how black text looks on a background with the Yxy color 54.9601, 0.2994, 0.5979.



This preview shows how white text looks on a background with the Yxy color 54.9601, 0.2994, 0.5979.

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

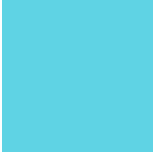
54.9601, 0.2994, 0.5979

Protanopia

53.6436, 0.4412, 0.4879

Deuteranopia

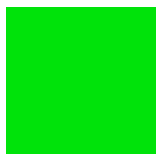
53.7444, 0.4614, 0.4506



Tritanopia

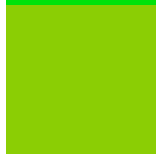
54.6229, 0.2356, 0.3062

Trichromacy



Original Color

54.9601, 0.2994, 0.5979



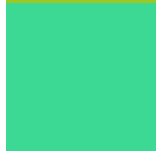
Protanomaly

49.6403, 0.3624, 0.5494



Deuteranomaly

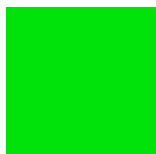
48.3985, 0.3748, 0.5261



Tritanomaly

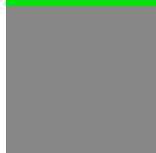
52.7563, 0.2636, 0.4332

Monochromacy



Original Color

54.9601, 0.2994, 0.5979



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

30.6578, 0.3029, 0.4750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9601, 0.2994, 0.5979 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 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, 227, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 10) }
```

Border

The CSS property to change the border of an element to Yxy 54.9601, 0.2994, 0.5979 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, 10) }
```

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

```
.border{ border-color:rgb(0, 227, 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, 227, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 227, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 54.9601, 0.2994, 0.5979 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, 10) }
```

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

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