

Converting Colors

Yxy(56.7222, 0.3014, 0.5989)

Have a look what the booklet for
Yxy(56.7222, 0.3014, 0.5989)
contains.

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Color

Yxy(56.7222, 0.3014, 0.5989)

Conversions

Conversions Part 1

Format	Color
Hex	12E600
RGB	18, 230, 0
RGB Percent	7%, 90%, 0%
CMY	0.9295, 0.0980, 1.0000
CMYK	0.92, 0.00, 1.00, 0.10
HSL	115°, 100%, 45%
HSV	115°, 100%, 90%
XYZ	28.5458, 56.7222, 9.4427
YIQ	140.3920, -52.5220, -116.4740

Conversions

Conversions Part 2

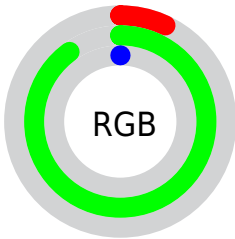
Format	Color
RYB	0, 230, 212
Decimal	1238528
CIELab	80.02, -79.05, 77.03
CIElCh	80, 110.376, 135.742
Yxy	56.7222, 0.3014, 0.5989
Android (android.graphics.Color)	4279428608 (0xFF12E600)
YUV	140.3920, -69.2133, -107.3378
Hunter-Lab	75.3141, -64.1442, 45.2863

Details

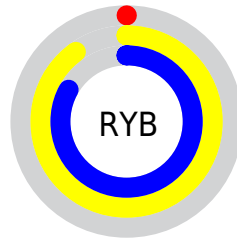
The Yxy color **56.7222, 0.3014, 0.5989** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **19.7140, 0.3011, 0.1432**, and the grayscale version is **26.6755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9211, 0.3148, 0.5350**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.7246, 0.3014, 0.5989**, and if you desaturate by 10%, it is **57.0930, 0.3030, 0.5906**.

Distribution



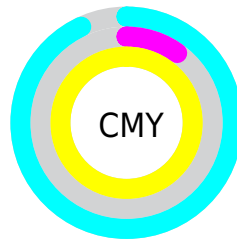
- Red (7%)
- Green (90%)
- Blue (0%)



- Red (0%)
- Yellow (90%)
- Blue (83%)



- Cyan (92%)
- Magenta (0%)
- Yellow (100%)
- Black (10%)




- Cyan (93%)
- Magenta (10%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7222, 0.3014, 0.5989 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 56.7222, 0.3014, 0.5989 by changing the saturation by 10% instead.


 56.7222, 0.3014,
0.5989

 56.7222, 0.3014,
0.5989


412.4075, 0.3202,
0.4600

 40.7822, 0.2923,
0.6314


 100.0597, 0.3116,
0.5493


 28.1490, 0.2784,
0.6705


 128.2261, 0.3144,
0.5303

 18.4380, 0.2570,
0.7179


 161.2367, 0.3164,
0.5141

 11.2649, 0.2244,
0.7756

 199.4760, 0.3178,
0.5001

 6.2453, 0.1714,
0.8286

 243.3283, 0.3188,
0.4881

 2.9948, 0.0558,
0.9442

 293.1781, 0.3195,

 1.1290, 0.0000,

0.4775

1.0000

349.4097, 0.3199,
0.4682

■ 0.0026, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7222, 0.3014,
0.5989

■ 56.7222, 0.3014,
0.5989


■ 56.7246, 0.3014,
0.5989


■ 57.0930, 0.3030,
0.5906


■ 57.7661, 0.3051,
0.5744

■ 58.8013, 0.3071,
0.5502

■ 60.2401, 0.3089,
0.5197

 62.1186, 0.3103,
0.4855

 64.4687, 0.3114,
0.4502

 67.3195, 0.3122,
0.4158

 70.6976, 0.3126,
0.3837

 74.6278, 0.3127,
0.3547

Harmonies

Analogous

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



56.7222, 0.4195, 0.5528



56.7222, 0.3014, 0.5989



56.7222, 0.1915, 0.4942

Triad

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



56.7222, 0.3014, 0.5989



56.7222, 0.1169, 0.1508



56.7222, 0.5413, 0.2870

Complementary

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



56.7222, 0.3014, 0.5989



19.7140, 0.3011, 0.1432

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.



56.7222, 0.4107, 0.2168



56.7222, 0.3014, 0.5989



56.7222, 0.1677, 0.1431

Square

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



56.7222, 0.3014, 0.5989



56.7222, 0.1020, 0.1990



56.7222, 0.2662, 0.1658



56.7222, 0.5786, 0.3648

Rectangle

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



56.7222, 0.3014, 0.5989



56.7222, 0.1397, 0.3706



56.7222, 0.2662, 0.1658



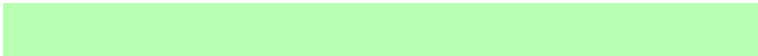
56.7222, 0.5053, 0.2624

Sweetspot

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



56.7246, 0.3014, 0.5989



85.0043, 0.3121, 0.4164



63.3316, 0.4349, 0.4929



17.8515, 0.3119, 0.4307



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.



56.7246, 0.3014, 0.5989



71.6680, 0.3013, 0.5990



57.4377, 0.2806, 0.5301



16.1427, 0.3127, 0.3532



32.1331, 0.3018, 0.5986



2.3934, 0.3066, 0.5948

Inverse Universe

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



19.7140, 0.3011, 0.1432



24.8933, 0.3010, 0.1432



18.5497, 0.4633, 0.2326



14.5549, 0.3125, 0.3058



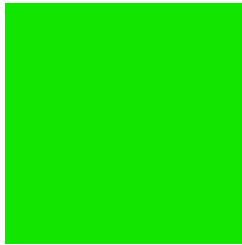
11.1852, 0.3014, 0.1434



0.8437, 0.3044, 0.1451

Previews

White Background



This preview shows how the Yxy color 56.7222, 0.3014, 0.5989 looks on a white background.

Color Contrast Check

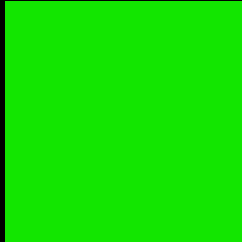
Large Text (above 18pt) WCAG AA × Fail

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 56.7222, 0.3014, 0.5989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

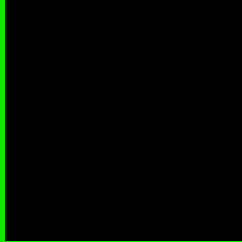
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

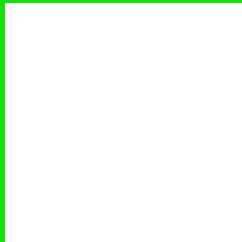
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7222, 0.3014, 0.5989

Background



This preview shows how black text looks on a background with the Yxy color 56.7222, 0.3014, 0.5989.



This preview shows how white text looks on a background with the Yxy color 56.7222, 0.3014, 0.5989.

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

56.7222, 0.3014, 0.5989

Protanopia

55.4621, 0.4409, 0.4881

Deuteranopia

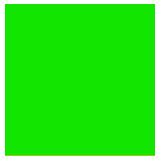
55.1223, 0.4619, 0.4507



Tritanopia

56.4593, 0.2362, 0.3066

Trichromacy



Original Color

56.7222, 0.3014, 0.5989



Protanomaly

51.8968, 0.3682, 0.5458



Deuteranomaly

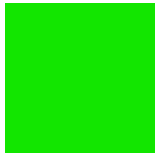
50.2379, 0.3820, 0.5230



Tritanomaly

54.5582, 0.2681, 0.4391

Monochromacy



Original Color

56.7222, 0.3014, 0.5989



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

33.0952, 0.3110, 0.4771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7222, 0.3014, 0.5989 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(18, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(18, 230, 0)  
}
```

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(18, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 230, 0) }
```

Border

The CSS property to change the border of an element to Yxy 56.7222, 0.3014, 0.5989 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(18, 230, 0) }
```

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

```
.border{ border-color:rgb(18, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(18, 230, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 56.7222, 0.3014, 0.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 230, 0) }
```

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

```
.background{ background-color: rgb(18, 230,  
0) }
```

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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