

Converting Colors

Yxy(56.5951, 0.2994, 0.5978)

Have a look what the booklet for
Yxy(56.5951, 0.2994, 0.5978)
contains.

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Color

Yxy(56.6178, 0.2994, 0.5977)

Conversions

Conversions Part 1

Format	Color
Hex	00E60B
RGB	0, 230, 11
RGB Percent	0%, 90%, 4%
CMY	0.9982, 0.0980, 0.9571
CMYK	1.00, 0.00, 0.95, 0.10
HSL	123°, 100%, 45%
HSV	123°, 100%, 90%
XYZ	28.3610, 56.6178, 9.7473
YIQ	136.2640, -66.7810, -116.8690

Conversions

Conversions Part 2

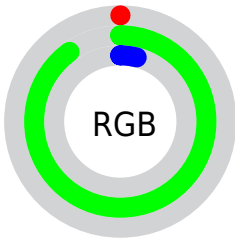
Format	Color
RYB	0, 220, 230
Decimal	58891
CIELab	79.96, -79.52, 75.99
CIELCh	80, 109.990, 136.302
Yxy	56.6178, 0.2994, 0.5977
Android (android.graphics.Color)	4278248971 (0xFF00E60B)
YUV	136.2640, -61.7552, -119.5035
Hunter-Lab	75.2448, -64.3988, 44.9909

Details

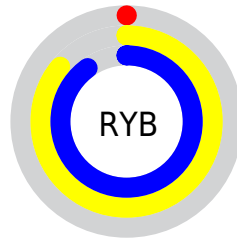
The Yxy color **56.6178, 0.2994, 0.5977** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **21.9745, 0.3328, 0.1608**, and the grayscale version is **25.0311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7689, 0.3125, 0.5331**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.6162, 0.2994, 0.5978**, and if you desaturate by 10%, it is **56.8899, 0.2992, 0.5883**.

Distribution



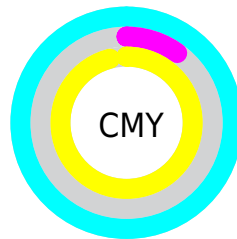
- Red (0%)
- Green (90%)
- Blue (4%)



- Red (0%)
- Yellow (86%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6178, 0.2994, 0.5977 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 56.6178, 0.2994, 0.5977 by changing the saturation by 10% instead.


 56.6178, 0.2994,
0.5977

 56.6178, 0.2994,
0.5977


412.0156, 0.3189,
0.4591

 40.6985, 0.2902,
0.6303


 99.9073, 0.3098,
0.5481

 28.0835, 0.2763,
0.6697


 128.0462, 0.3127,
0.5290

 18.3886, 0.2549,
0.7174


 161.0272, 0.3147,
0.5129

 11.2294, 0.2226,
0.7774

 199.2345, 0.3162,
0.4990

 6.2213, 0.1694,
0.8306

 243.0526, 0.3173,
0.4870

 2.9801, 0.0508,
0.9492

 292.8659, 0.3180,

 1.1214, 0.0000,

0.4765

1.0000

349.0588, 0.3185,
0.4672

■ 0.0000, 0.0000,
0.0000

■ 56.6178, 0.2994,
0.5977

■ 56.6178, 0.2994,
0.5977

■ 56.6162, 0.2994,
0.5978

■ 56.8899, 0.2992,
0.5883

■ 57.4589, 0.2992,
0.5707

■ 58.4078, 0.2999,
0.5454

■ 59.7877, 0.3011,
0.5145

■ 61.6416, 0.3028,
0.4803

■ 64.0073, 0.3047,
0.4455

■ 66.9189, 0.3068,
0.4119

■ 70.4074, 0.3089,
0.3809

■ 74.5017, 0.3109,
0.3531

Harmonies

Analogous

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



56.6178, 0.4173, 0.5541



56.6178, 0.2994, 0.5977



56.6178, 0.1902, 0.4904

Triad

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



56.6178, 0.2994, 0.5977



56.6178, 0.1178, 0.1507



56.6178, 0.5424, 0.2885

Complementary

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



56.6178, 0.2994, 0.5977



21.9745, 0.3328, 0.1608

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.



56.6178, 0.4133, 0.2182



56.6178, 0.2994, 0.5977



56.6178, 0.1694, 0.1436

Square

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



56.6178, 0.2994, 0.5977



56.6178, 0.1023, 0.1980



56.6178, 0.2687, 0.1668



56.6178, 0.5777, 0.3664

Rectangle

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



56.6178, 0.2994, 0.5977



56.6178, 0.1390, 0.3672



56.6178, 0.2687, 0.1668



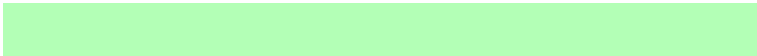
56.6178, 0.5070, 0.2640

Sweetspot

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



56.6201, 0.2994, 0.5977



84.4214, 0.3067, 0.4131



72.1788, 0.4134, 0.5098



17.7195, 0.3058, 0.4271



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.



56.6201, 0.2994, 0.5977



71.5457, 0.2995, 0.5981



58.0231, 0.2698, 0.4913



16.0998, 0.3110, 0.3522



32.0580, 0.2992, 0.5970



2.3728, 0.2968, 0.5886

Inverse Universe

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



21.9745, 0.3328, 0.1608



27.7526, 0.3329, 0.1608



17.9064, 0.5127, 0.2599



14.6033, 0.3145, 0.3069



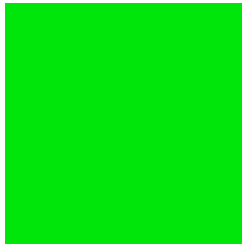
12.4397, 0.3326, 0.1606



0.9228, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 56.6178, 0.2994, 0.5977 looks on a white background.

Color Contrast Check

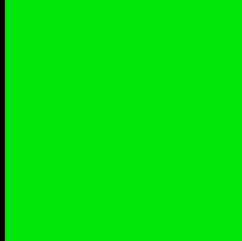
Large Text (above 18pt) WCAG AA × Fail

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 56.6178, 0.2994, 0.5977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

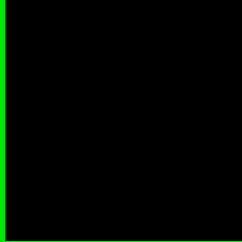
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

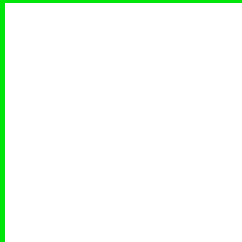
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6178, 0.2994, 0.5977

Background



This preview shows how black text looks on a background with the Yxy color 56.6178, 0.2994, 0.5977.



This preview shows how white text looks on a background with the Yxy color 56.6178, 0.2994, 0.5977.

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

56.6178, 0.2994, 0.5977

Protanopia

55.4621, 0.4409, 0.4881

Deuteranopia

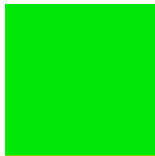
55.1310, 0.4616, 0.4503



Tritanopia

56.3495, 0.2355, 0.3065

Trichromacy



Original Color

56.6178, 0.2994, 0.5977



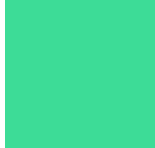
Protanomaly

51.2724, 0.3623, 0.5495



Deuteranomaly

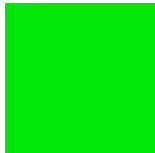
49.5365, 0.3750, 0.5256



Tritanomaly

54.4129, 0.2637, 0.4334

Monochromacy



Original Color

56.6178, 0.2994, 0.5977



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

31.5310, 0.3030, 0.4731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6178, 0.2994, 0.5977 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, 230, 11)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 11)  
}
```

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, 230, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 11) }
```

Border

The CSS property to change the border of an element to Yxy 56.6178, 0.2994, 0.5977 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, 230, 11) }
```

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

```
.border{ border-color:rgb(0, 230, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 11);  
box-shadow:4px 4px 4px 4px rgb(0, 230, 11)  
}
```


Background

The CSS property to change the background color of an element to Yxy 56.6178, 0.2994, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 11) }
```

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

```
.background{ background-color: rgb(0, 230,  
11) }
```

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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