

Converting Colors

$Yxy(58.6489, 0.2993, 0.5976)$

Have a look what the booklet for
Yxy(58.6489, 0.2993, 0.5976)
contains.

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Color

Yxy(58.8722, 0.2993, 0.5976)

Conversions

Conversions Part 1

Format	Color
Hex	00EA0C
RGB	0, 234, 12
RGB Percent	0%, 92%, 5%
CMY	1.0000, 0.0823, 0.9529
CMYK	1.00, 0.00, 0.95, 0.08
HSL	123°, 100%, 46%
HSV	123°, 100%, 92%
XYZ	29.4854, 58.8722, 10.1568
YIQ	138.7260, -68.2020, -118.6500

Conversions

Conversions Part 2

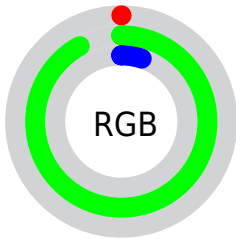
Format	Color
RYB	0, 223, 234
Decimal	59916
CIELab	81.22, -80.58, 76.92
CIELCh	81, 111.400, 136.333
Yxy	58.8722, 0.2993, 0.5976
Android (android.graphics.Color)	4278249996 (0xFF00EA0C)
YUV	138.7260, -62.4759, -121.6627
Hunter-Lab	76.7282, -65.6799, 45.8613

Details

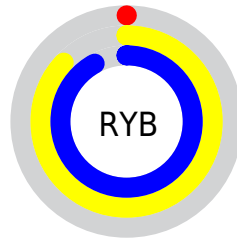
The Yxy color **58.8722, 0.2993, 0.5976** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.7675, 0.3344, 0.1616**, and the grayscale version is **25.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8527, 0.3126, 0.5318**, and **31.0507, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.8773, 0.2993, 0.5976**, and if you desaturate by 10%, it is **59.1543, 0.2990, 0.5880**.

Distribution



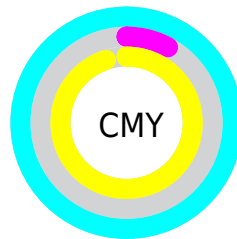
- Red (0%)
- Green (92%)
- Blue (5%)



- Red (0%)
- Yellow (87%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8722, 0.2993, 0.5976 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 58.8722, 0.2993, 0.5976 by changing the saturation by 10% instead.


 58.8722, 0.2993,
0.5976


 58.8722, 0.2993,
0.5976


420.4281, 0.3188,
0.4599


 42.5102, 0.2903,
0.6298


 103.1919, 0.3096,
0.5485


 29.5010, 0.2766,
0.6686


 131.9184, 0.3125,
0.5296

 19.4602, 0.2557,
0.7151


 165.5353, 0.3146,
0.5136


 12.0033, 0.2249,
0.7751

 204.4269, 0.3160,
0.4997

 6.7459, 0.1732,
0.8268

 248.9775, 0.3171,
0.4878

 3.3037, 0.0745,
0.9255

 299.5717, 0.3179,

 1.2923, 0.0000,

0.4773

1.0000

356.5938, 0.3184,
0.4681

■ 0.1352, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8722, 0.2993,
0.5976

■ 58.8722, 0.2993,
0.5976


■ 58.8773, 0.2993,
0.5976


■ 59.1543, 0.2990,
0.5880


■ 59.7399, 0.2990,
0.5704

■ 60.7192, 0.2996,
0.5452


■ 62.1454, 0.3008,
0.5143

 64.0633, 0.3024,
0.4803

 66.5123, 0.3044,
0.4456

 69.5278, 0.3065,
0.4122

 73.1423, 0.3087,
0.3812

 77.3856, 0.3108,
0.3535

Harmonies

Analogous

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



58.8722, 0.4172, 0.5541



58.8722, 0.2993, 0.5976



58.8722, 0.1901, 0.4902

Triad

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



58.8722, 0.2993, 0.5976



58.8722, 0.1179, 0.1507



58.8722, 0.5424, 0.2886

Complementary

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



58.8722, 0.2993, 0.5976



22.7675, 0.3344, 0.1616

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.



58.8722, 0.4134, 0.2183



58.8722, 0.2993, 0.5976



58.8722, 0.1695, 0.1436

Square

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



58.8722, 0.2993, 0.5976



58.8722, 0.1024, 0.1979



58.8722, 0.2689, 0.1669



58.8722, 0.5776, 0.3665

Rectangle

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



58.8722, 0.2993, 0.5976



58.8722, 0.1389, 0.3670



58.8722, 0.2689, 0.1669



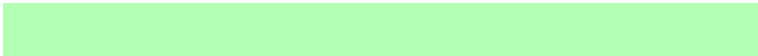
58.8722, 0.5071, 0.2641

Sweetspot

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



58.8773, 0.2993, 0.5976



84.4394, 0.3065, 0.4126



74.4290, 0.4105, 0.5123



17.7236, 0.3056, 0.4265



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.



58.8773, 0.2993, 0.5976



71.5493, 0.2994, 0.5978



60.4278, 0.2683, 0.4859



16.8747, 0.3109, 0.3521



33.0885, 0.2991, 0.5967



2.6027, 0.2966, 0.5878

Inverse Universe

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



22.7675, 0.3344, 0.1616



27.6652, 0.3345, 0.1616



18.5201, 0.5206, 0.2641



15.2996, 0.3146, 0.3070



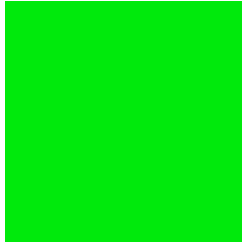
12.7989, 0.3342, 0.1615



1.0091, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 58.8722, 0.2993, 0.5976 looks on a white background.

Color Contrast Check

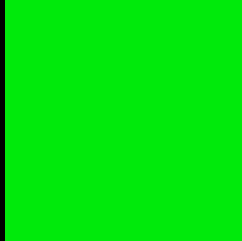
Large Text (above 18pt) WCAG AA × Fail

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 58.8722, 0.2993, 0.5976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

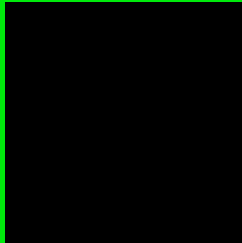
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

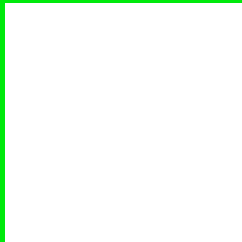
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8722, 0.2993, 0.5976

Background



This preview shows how black text looks on a background with the Yxy color 58.8722, 0.2993, 0.5976.



This preview shows how white text looks on a background with the Yxy color 58.8722, 0.2993, 0.5976.

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

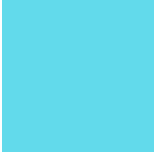
58.8722, 0.2993, 0.5976

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

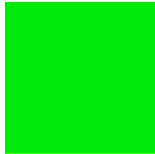
57.5841, 0.4607, 0.4511



Tritanopia

58.7376, 0.2357, 0.3069

Trichromacy



Original Color

58.8722, 0.2993, 0.5976



Protanomaly

52.9354, 0.3623, 0.5496



Deuteranomaly

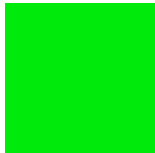
51.7498, 0.3748, 0.5257



Tritanomaly

56.6685, 0.2635, 0.4331

Monochromacy



Original Color

58.8722, 0.2993, 0.5976



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

33.1371, 0.3023, 0.4740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8722, 0.2993, 0.5976 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, 234, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 12)  
}
```

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, 234, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 12) }
```

Border

The CSS property to change the border of an element to Yxy 58.8722, 0.2993, 0.5976 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, 234, 12) }
```

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

```
.border{ border-color:rgb(0, 234, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 234, 12)  
}
```


Background

The CSS property to change the background color of an element to Yxy 58.8722, 0.2993, 0.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 12) }
```

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

```
.background{ background-color: rgb(0, 234,  
12) }
```

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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