

Converting Colors

$Y_{xy}(61.9319, 0.2990, 0.5915)$

Have a look what the booklet for
Yxy(61.9319, 0.2990, 0.5915)
contains.

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Color

Yxy(61.9319, 0.2990, 0.5915)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 10EF1D |
| RGB | 16, 239, 29 |
| RGB Percent | 6%, 94%, 11% |
| CMY | 0.9359, 0.0627, 0.8863 |
| CMYK | 0.93, 0.00, 0.88, 0.06 |
| HSL | 123°, 87%, 50% |
| HSV | 123°, 93%, 94% |
| XYZ | 31.3062, 61.9319, 11.4650 |
| YIQ | 148.3830, -65.4980, -112.5860 |

Conversions

Conversions Part 2

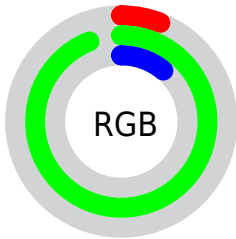
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 16, 227, 239 |
| Decimal | 1109789 |
| CIELab | 82.88, -80.89, 76.04 |
| CIELCh | 83, 111.017, 136.772 |
| Yxy | 61.9319, 0.2990, 0.5915 |
| Android (android.graphics.Color) | 4279299869 (0xFF10EF1D) |
| YUV | 148.3830, -58.8558, -116.0999 |
| Hunter-Lab | 78.6968, -66.7107, 46.4501 |

Details

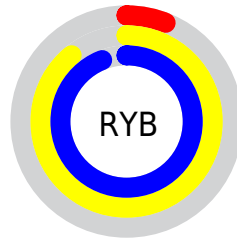
The Yxy color **61.9319, 0.2990, 0.5915** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **24.2423, 0.3347, 0.1637**, and the grayscale version is **30.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2534, 0.3121, 0.5238**, and **33.0477, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.7631, 0.2993, 0.5973**, and if you desaturate by 10%, it is **62.4325, 0.2987, 0.5763**.

Distribution



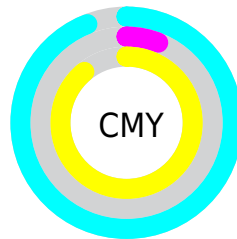
- Red (6%)
- Green (94%)
- Blue (11%)



- Red (6%)
- Yellow (89%)
- Blue (94%)



- Cyan (93%)
- Magenta (0%)
- Yellow (88%)
- Black (6%)





- Cyan (94%)
- Magenta (6%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.9319, 0.2990, 0.5915 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 61.9319, 0.2990, 0.5915 by changing the saturation by 10% instead.


 61.9319, 0.2990,
0.5915

 61.9319, 0.2990,
0.5915


431.6826, 0.3178,
0.4577

 44.9777, 0.2906,
0.6227


 107.6271, 0.3087,
0.5439

 31.4398, 0.2779,
0.6605


 137.1369, 0.3115,
0.5256


 20.9340, 0.2584,
0.7059


 171.6006, 0.3136,
0.5100

 13.0758, 0.2311,
0.7689

 211.4027, 0.3150,
0.4965

 7.4807, 0.1818,
0.8182

 256.9276, 0.3161,
0.4849

 3.7645, 0.1031,
0.8969

 308.5596, 0.3169,

 1.5427, 0.0000,

0.4747

1.0000

366.6831, 0.3174,
0.4657

■ 0.3185, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9319, 0.2990,
0.5915

■ 61.9319, 0.2990,
0.5915


■ 61.7631, 0.2993,
0.5973


■ 62.4325, 0.2987,
0.5763


■ 63.3231, 0.2990,
0.5532

■ 64.6657, 0.3000,
0.5238


■ 66.5099, 0.3015,
0.4906

 68.8985, 0.3035,
0.4559

 71.8698, 0.3056,
0.4221

 75.4588, 0.3078,
0.3904

 79.6975, 0.3100,
0.3617

 84.6159, 0.3121,
0.3363

Harmonies

Analogous

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



61.9319, 0.4154, 0.5525



61.9319, 0.2990, 0.5915



61.9319, 0.1913, 0.4840

Triad

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



61.9319, 0.2990, 0.5915



61.9319, 0.1209, 0.1529



61.9319, 0.5394, 0.2910

Complementary

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



61.9319, 0.2990, 0.5915



24.2423, 0.3347, 0.1637

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.



61.9319, 0.4139, 0.2210



61.9319, 0.2990, 0.5915



61.9319, 0.1727, 0.1462

Square

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



61.9319, 0.2990, 0.5915



61.9319, 0.1051, 0.1993



61.9319, 0.2717, 0.1697



61.9319, 0.5732, 0.3685

Rectangle

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



61.9319, 0.2990, 0.5915



61.9319, 0.1410, 0.3641



61.9319, 0.2717, 0.1697



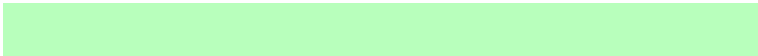
61.9319, 0.5051, 0.2665

Sweetspot

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



61.9345, 0.2990, 0.5915



85.2769, 0.3067, 0.4057



78.2432, 0.4100, 0.5099



17.8818, 0.3058, 0.4197



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.



61.9345, 0.2990, 0.5915



71.5530, 0.2993, 0.5975



63.7043, 0.2663, 0.4747



17.6709, 0.3108, 0.3520



34.1379, 0.2990, 0.5964



2.8450, 0.2964, 0.5870

Inverse Universe

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



24.2423, 0.3347, 0.1637



27.5823, 0.3360, 0.1624



20.0053, 0.5030, 0.2582



16.0150, 0.3147, 0.3070



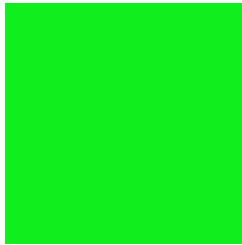
13.1650, 0.3357, 0.1623



1.0999, 0.3335, 0.1611

Previews

White Background



This preview shows how the Yxy color 61.9319, 0.2990, 0.5915 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 61.9319, 0.2990, 0.5915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

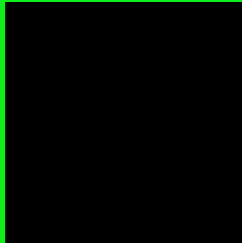
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.9319, 0.2990, 0.5915

Background



This preview shows how black text looks on a background with the Yxy color 61.9319, 0.2990, 0.5915.



This preview shows how white text looks on a background with the Yxy color 61.9319, 0.2990, 0.5915.

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

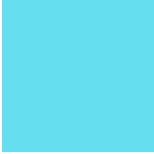
61.9319, 0.2990, 0.5915

Protanopia

60.5230, 0.4386, 0.4866

Deuteranopia

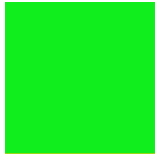
60.2609, 0.4538, 0.4441



Tritanopia

61.3005, 0.2357, 0.3060

Trichromacy



Original Color

61.9319, 0.2990, 0.5915



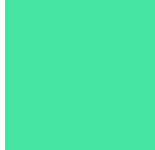
Protanomaly

56.3553, 0.3649, 0.5427



Deuteranomaly

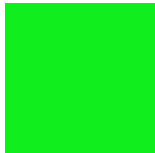
54.6844, 0.3743, 0.5135



Tritanomaly

59.4332, 0.2625, 0.4230

Monochromacy



Original Color

61.9319, 0.2990, 0.5915



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

36.7770, 0.3030, 0.4581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9319, 0.2990, 0.5915 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(16, 239, 29)` looks like.

```
.text, #text, p{  
    color:rgb(16, 239, 29)  
}
```

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(16, 239, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 239, 29) }
```

Border

The CSS property to change the border of an element to Yxy 61.9319, 0.2990, 0.5915 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(16, 239, 29) }
```

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

```
.border{ border-color:rgb(16, 239, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 239, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 239, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 239, 29);  
box-shadow:4px 4px 4px 4px rgb(16, 239,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9319, 0.2990, 0.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 239, 29) }
```

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

```
.background{ background-color: rgb(16, 239,  
29) }
```

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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