

Converting Colors

$Y_{xy}(60.6304, 0.2985, 0.5945)$

Have a look what the booklet for
Yxy(60.6304, 0.2985, 0.5945)
contains.

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Color

Yxy(60.6302, 0.2985, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	00ED17
RGB	0, 237, 23
RGB Percent	0%, 93%, 9%
CMY	0.9986, 0.0706, 0.9095
CMYK	1.00, 0.00, 0.90, 0.07
HSL	126°, 100%, 47%
HSV	126°, 100%, 93%
XYZ	30.4426, 60.6302, 10.9124
YIQ	141.7410, -72.5580, -116.7980

Conversions

Conversions Part 2

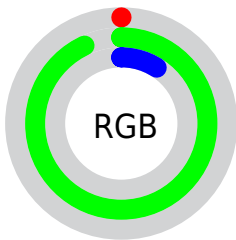
Format	Color
RYB	0, 216, 237
Decimal	60695
CIELab	82.18, -81.09, 76.37
CIELCh	82, 111.394, 136.715
Yxy	60.6302, 0.2985, 0.5945
Android (android.graphics.Color)	4278250775 (0xFF00ED17)
YUV	141.7410, -58.5393, -124.3069
Hunter-Lab	77.8654, -66.4773, 46.1966

Details

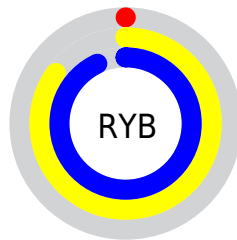
The Yxy color **60.6302, 0.2985, 0.5945** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **22.8805, 0.3471, 0.1686**, and the grayscale version is **27.2472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9911, 0.3117, 0.5277**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **60.6292, 0.2985, 0.5946**, and if you desaturate by 10%, it is **60.9487, 0.2975, 0.5825**.

Distribution



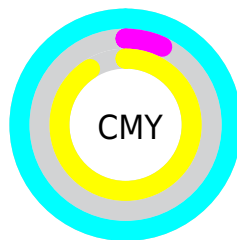
- Red (0%)
- Green (93%)
- Blue (9%)



- Red (0%)
- Yellow (85%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (90%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6302, 0.2985, 0.5945 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 60.6302, 0.2985, 0.5945 by changing the saturation by 10% instead.


 60.6302, 0.2985,
0.5945


 60.6302, 0.2985,
0.5945


 426.9168, 0.3179,
0.4588

 43.9268, 0.2897,
0.6262


 105.7433, 0.3086,
0.5461


 30.6130, 0.2766,
0.6645


 134.9218, 0.3115,
0.5276

 20.3043, 0.2563,
0.7104


 169.0275, 0.3135,
0.5117

 12.6164, 0.2275,
0.7725

 208.4446, 0.3150,
0.4981

 7.1650, 0.1771,
0.8229

 253.5578, 0.3161,
0.4863

 3.5655, 0.0904,
0.9096

 304.7513, 0.3169,

 1.4336, 0.0000,

0.4760

1.0000

362.4095, 0.3175,
0.4669

■ 0.2413, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6302, 0.2985,
0.5945

■ 60.6302, 0.2985,
0.5945

■ 60.6292, 0.2985,
0.5946

■ 60.9487, 0.2975,
0.5825


■ 61.5831, 0.2969,
0.5630


■ 62.6188, 0.2971,
0.5369


■ 64.1084, 0.2982,
0.5061

 66.0965, 0.2999,
0.4730

 68.6223, 0.3022,
0.4396

 71.7209, 0.3048,
0.4077

 75.4248, 0.3075,
0.3783

 79.7637, 0.3102,
0.3519

Harmonies

Analogous

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



60.6302, 0.4157, 0.5538



60.6302, 0.2985, 0.5945



60.6302, 0.1902, 0.4862

Triad

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



60.6302, 0.2985, 0.5945



60.6302, 0.1195, 0.1516



60.6302, 0.5414, 0.2902

Complementary

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



60.6302, 0.2985, 0.5945



22.8805, 0.3471, 0.1686

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.



60.6302, 0.4145, 0.2200



60.6302, 0.2985, 0.5945



60.6302, 0.1714, 0.1449

Square

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



60.6302, 0.2985, 0.5945



60.6302, 0.1037, 0.1982



60.6302, 0.2709, 0.1685



60.6302, 0.5754, 0.3680

Rectangle

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



60.6302, 0.2985, 0.5945



60.6302, 0.1396, 0.3646



60.6302, 0.2709, 0.1685



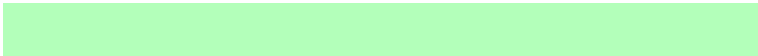
60.6302, 0.5068, 0.2657

Sweetspot

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



60.6327, 0.2985, 0.5945



84.5830, 0.3047, 0.4085



75.3635, 0.4046, 0.5169



17.7562, 0.3036, 0.4218



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.



60.6327, 0.2985, 0.5945



71.5880, 0.2986, 0.5949



62.4169, 0.2650, 0.4738



16.8857, 0.3103, 0.3510



33.1098, 0.2981, 0.5933



2.6079, 0.2938, 0.5775

Inverse Universe

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



22.8805, 0.3471, 0.1686



27.0013, 0.3472, 0.1686



18.9120, 0.5344, 0.2718



15.2874, 0.3153, 0.3080



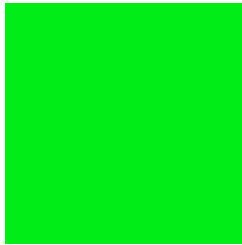
12.4977, 0.3466, 0.1683



0.9886, 0.3426, 0.1661

Previews

White Background



This preview shows how the Yxy color 60.6302, 0.2985, 0.5945 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 60.6302, 0.2985, 0.5945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

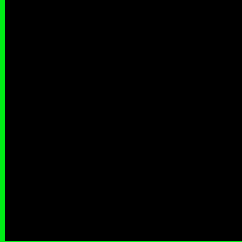
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

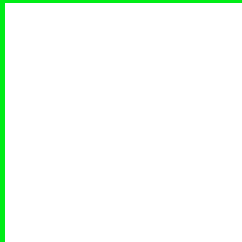
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.6302, 0.2985, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 60.6302, 0.2985, 0.5945.



This preview shows how white text looks on a background with the Yxy color 60.6302, 0.2985, 0.5945.

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

60.6302, 0.2985, 0.5945

Protanopia

59.2059, 0.4403, 0.4886

Deuteranopia

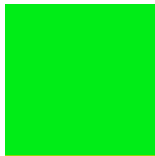
59.0459, 0.4602, 0.4498



Tritanopia

60.0121, 0.2353, 0.3058

Trichromacy



Original Color

60.6302, 0.2985, 0.5945



Protanomaly

54.6382, 0.3619, 0.5489



Deuteranomaly

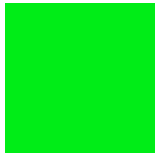
52.9676, 0.3738, 0.5225



Tritanomaly

57.9875, 0.2614, 0.4259

Monochromacy



Original Color

60.6302, 0.2985, 0.5945



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

34.5188, 0.2998, 0.4664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6302, 0.2985, 0.5945 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, 237, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 23)  
}
```

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, 237, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 23) }
```

Border

The CSS property to change the border of an element to Yxy 60.6302, 0.2985, 0.5945 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, 237, 23) }
```

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

```
.border{ border-color:rgb(0, 237, 23) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 237, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 60.6302, 0.2985, 0.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 23) }
```

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

```
.background{ background-color: rgb(0, 237,  
23) }
```

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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