

Converting Colors

Yxy(59.4533, 0.3174, 0.5862)

Have a look what the booklet for
Yxy(59.4533, 0.3174, 0.5862)
contains.

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Color

Yxy(59.4187, 0.3173, 0.5862)

Conversions

Conversions Part 1

Format	Color
Hex	50E800
RGB	80, 232, 0
RGB Percent	31%, 91%, 0%
CMY	0.6865, 0.0902, 0.9988
CMYK	0.66, 0.00, 1.00, 0.09
HSL	99°, 100%, 46%
HSV	99°, 100%, 91%
XYZ	32.1623, 59.4187, 9.7815
YIQ	160.1040, -16.1200, -104.3760

Conversions

Conversions Part 2

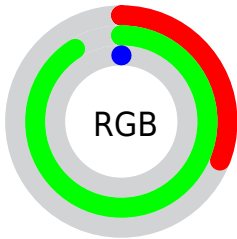
Format	Color
RYB	0, 232, 152
Decimal	5302272
CIELab	81.52, -71.93, 78.57
CIELCh	82, 106.519, 132.474
Yxy	59.4187, 0.3173, 0.5862
Android (android.graphics.Color)	4283492352 (0xFF50E800)
YUV	160.1040, -78.9313, -70.2512
Hunter-Lab	77.0835, -60.4188, 46.4349

Details

The Yxy color **59.4187, 0.3173, 0.5862** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **12.5439, 0.2349, 0.1068**, and the grayscale version is **35.5909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5205, 0.3315, 0.5234**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.4121, 0.3172, 0.5863**, and if you desaturate by 10%, it is **60.2234, 0.3225, 0.5754**.

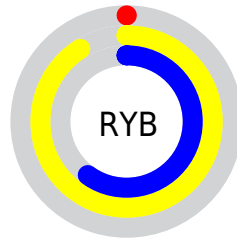
Distribution



Red (31%)

Green (91%)

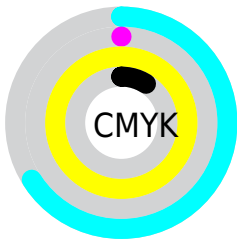
Blue (0%)



Red (0%)

Yellow (91%)

Blue (60%)

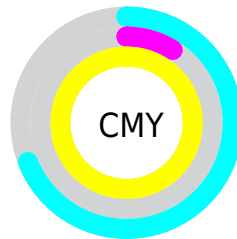


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (69%)


Magenta (9%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4187, 0.3173, 0.5862 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 59.4187, 0.3173, 0.5862 by changing the saturation by 10% instead.

 59.4187, 0.3173,
0.5862


 59.4187, 0.3173,
0.5862

 422.4518, 0.3280,
0.4564

 42.9503, 0.3103,
0.6158


 103.9860, 0.3245,
0.5405

 29.8461, 0.2991,
0.6512


 132.8536, 0.3262,
0.5227


 19.7218, 0.2813,
0.6935


 166.6230, 0.3272,
0.5075

 12.1930, 0.2538,
0.7462

 205.6787, 0.3278,
0.4945

 6.8752, 0.2061,
0.7939

 250.4050, 0.3281,
0.4831

 3.3842, 0.1307,
0.8693

 301.1864, 0.3282,

 1.3355, 0.0000,

0.4731

1.0000

358.4072, 0.3282,
0.4643

■ 0.1684, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4187, 0.3173,
0.5862

■ 59.4187, 0.3173,
0.5862

■ 59.4121, 0.3172,
0.5863

■ 60.2234, 0.3225,
0.5754

■ 61.2608, 0.3268,
0.5584

■ 62.5654, 0.3294,
0.5352

■ 64.1590, 0.3304,
0.5071

■ 66.0608, 0.3297,
0.4760

■ 68.2880, 0.3277,
0.4439

■ 70.8564, 0.3247,
0.4121

■ 73.7806, 0.3210,
0.3820

■ 77.0746, 0.3169,
0.3540

Harmonies

Analogous

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



59.4187, 0.4309, 0.5367



59.4187, 0.3173, 0.5862



59.4187, 0.2081, 0.5021

Triad

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



59.4187, 0.3173, 0.5862



59.4187, 0.1200, 0.1602



59.4187, 0.5204, 0.2821

Complementary

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



59.4187, 0.3173, 0.5862



12.5439, 0.2349, 0.1068

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.



59.4187, 0.3906, 0.2147



59.4187, 0.3173, 0.5862



59.4187, 0.1657, 0.1485

Square

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



59.4187, 0.3173, 0.5862



59.4187, 0.1092, 0.2137



59.4187, 0.2559, 0.1676



59.4187, 0.5690, 0.3580

Rectangle

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



59.4187, 0.3173, 0.5862



59.4187, 0.1537, 0.3881



59.4187, 0.2559, 0.1676



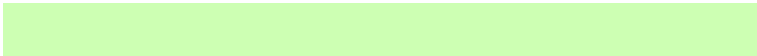
59.4187, 0.4830, 0.2582

Sweetspot

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



59.4212, 0.3173, 0.5862



87.7044, 0.3248, 0.4130



39.2619, 0.4990, 0.4419



18.4735, 0.3262, 0.4264



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.



59.4212, 0.3173, 0.5862



73.5775, 0.3169, 0.5866



57.8413, 0.2969, 0.5888



16.3287, 0.3167, 0.3529



33.0435, 0.3183, 0.5855



2.4918, 0.3296, 0.5765

Inverse Universe

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



12.5439, 0.2349, 0.1068



15.4740, 0.2344, 0.1065



21.2064, 0.3635, 0.1776



14.3543, 0.3083, 0.3054



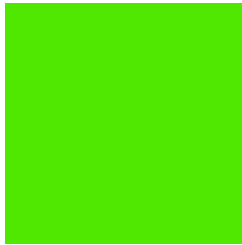
7.0266, 0.2361, 0.1074



0.5702, 0.2486, 0.1143

Previews

White Background



This preview shows how the Yxy color 59.4187, 0.3173, 0.5862 looks on a white background.

Color Contrast Check

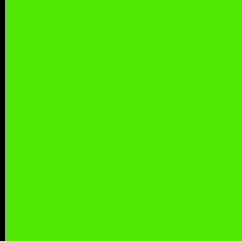
Large Text (above 18pt) WCAG AA × Fail

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 59.4187, 0.3173, 0.5862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

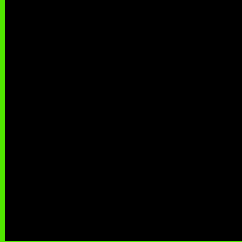
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

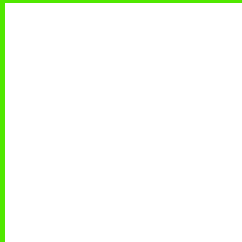
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4187, 0.3173, 0.5862

Background



This preview shows how black text looks on a background with the Yxy color 59.4187, 0.3173, 0.5862.



This preview shows how white text looks on a background with the Yxy color 59.4187, 0.3173, 0.5862.

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

59.4187, 0.3173, 0.5862

Protanopia

58.1042, 0.4413, 0.4878

Deuteranopia

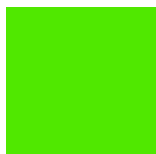
58.3660, 0.4624, 0.4522



Tritanopia

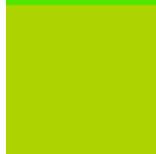
59.1325, 0.2457, 0.3073

Trichromacy



Original Color

59.4187, 0.3173, 0.5862



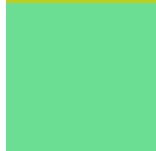
Protanomaly

56.0856, 0.3877, 0.5304



Deuteranomaly

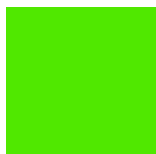
55.1887, 0.4018, 0.5091



Tritanomaly

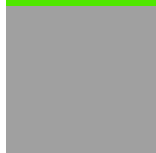
57.5065, 0.2839, 0.4351

Monochromacy



Original Color

59.4187, 0.3173, 0.5862



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.9024, 0.3289, 0.4589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4187, 0.3173, 0.5862 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(80, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 232, 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(80, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.4187, 0.3173, 0.5862 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(80, 232, 0) }
```

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

```
.border{ border-color:rgb(80, 232, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 232, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.4187, 0.3173, 0.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 232, 0) }
```

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

```
.background{ background-color: rgb(80, 232,  
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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