

Converting Colors

Yxy(58.5317, 0.3082, 0.5934)

Have a look what the booklet for
Yxy(58.5317, 0.3082, 0.5934)
contains.

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Color

Yxy(58.4975, 0.3082, 0.5935)

Conversions

Conversions Part 1

Format	Color
Hex	36E800
RGB	54, 232, 0
RGB Percent	21%, 91%, 0%
CMY	0.7883, 0.0902, 1.0000
CMYK	0.77, 0.00, 1.00, 0.09
HSL	106°, 100%, 45%
HSV	106°, 100%, 91%
XYZ	30.3773, 58.4975, 9.6888
YIQ	152.3300, -31.6160, -109.8880

Conversions

Conversions Part 2

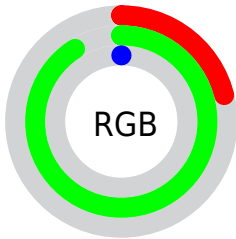
Format	Color
RYB	0, 232, 178
Decimal	3598336
CIELab	81.01, -76.31, 77.98
CIELCh	81, 109.106, 134.382
Yxy	58.4975, 0.3082, 0.5935
Android (android.graphics.Color)	4281788416 (0xFF36E800)
YUV	152.3300, -75.0987, -86.2354
Hunter-Lab	76.4837, -62.9509, 46.0278

Details

The Yxy color **58.4975, 0.3082, 0.5935** 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 **15.2934, 0.2618, 0.1216**, and the grayscale version is **31.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0499, 0.3221, 0.5293**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.5000, 0.3082, 0.5935**, and if you desaturate by 10%, it is **59.1484, 0.3124, 0.5834**.

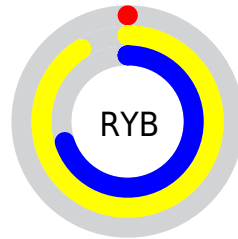
Distribution



Red (21%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (70%)

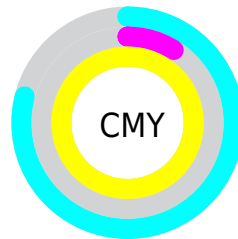


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (79%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4975, 0.3082, 0.5935 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 58.4975, 0.3082, 0.5935 by changing the saturation by 10% instead.


 58.4975, 0.3082,
0.5935

 58.4975, 0.3082,
0.5935


419.0372, 0.3236,
0.4588


 42.2087, 0.3000,
0.6246

 102.6470, 0.3171,
0.5457

 29.2648, 0.2874,
0.6620


 131.2765, 0.3194,
0.5273


 19.2812, 0.2676,
0.7068


 164.7884, 0.3210,
0.5115

 11.8737, 0.2375,
0.7625

 203.5670, 0.3221,
0.4980

 6.6577, 0.1872,
0.8128

 247.9968, 0.3228,
0.4862

 3.2490, 0.0968,
0.9032

 298.4622, 0.3232,

 1.2631, 0.0000,

0.4759

1.0000

355.3475, 0.3234,
0.4668

■ 0.1123, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4975, 0.3082,
0.5935

■ 58.4975, 0.3082,
0.5935


■ 58.5000, 0.3082,
0.5935

■ 59.1484, 0.3124,
0.5834


■ 60.0697, 0.3162,
0.5664


■ 61.3035, 0.3191,
0.5424

■ 62.8775, 0.3207,
0.5130

 64.8164, 0.3212,
0.4805

 67.1422, 0.3207,
0.4469

 69.8751, 0.3194,
0.4139

 73.0341, 0.3175,
0.3829

 76.6365, 0.3152,
0.3545

Harmonies

Analogous

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



58.4975, 0.4244, 0.5459



58.4975, 0.3082, 0.5935



58.4975, 0.1986, 0.4978

Triad

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



58.4975, 0.3082, 0.5935



58.4975, 0.1182, 0.1547



58.4975, 0.5325, 0.2850

Complementary

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



58.4975, 0.3082, 0.5935



15.2934, 0.2618, 0.1216

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.



58.4975, 0.4021, 0.2159



58.4975, 0.3082, 0.5935



58.4975, 0.1668, 0.1454

Square

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



58.4975, 0.3082, 0.5935



58.4975, 0.1050, 0.2052



58.4975, 0.2618, 0.1666



58.4975, 0.5746, 0.3620

Rectangle

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



58.4975, 0.3082, 0.5935



58.4975, 0.1455, 0.3781



58.4975, 0.2618, 0.1666



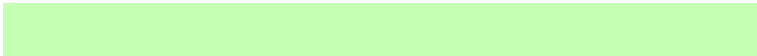
58.4975, 0.4958, 0.2607

Sweetspot

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



58.5000, 0.3082, 0.5935



86.5308, 0.3194, 0.4144



48.9459, 0.4684, 0.4663



18.2012, 0.3201, 0.4282



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.



58.5000, 0.3082, 0.5935



72.4602, 0.3079, 0.5937



58.0624, 0.2915, 0.5694



16.2502, 0.3151, 0.3530



32.5227, 0.3091, 0.5928



2.4449, 0.3190, 0.5849

Inverse Universe

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



15.2934, 0.2618, 0.1216



18.9102, 0.2615, 0.1214



20.0641, 0.4037, 0.1997



14.4373, 0.3101, 0.3056



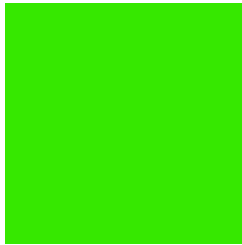
8.5496, 0.2628, 0.1221



0.6729, 0.2716, 0.1270

Previews

White Background



This preview shows how the Yxy color 58.4975, 0.3082, 0.5935 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 58.4975, 0.3082, 0.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

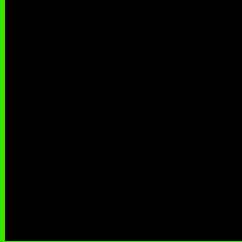
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.4975, 0.3082, 0.5935

Background



This preview shows how black text looks on a background with the Yxy color 58.4975, 0.3082, 0.5935.

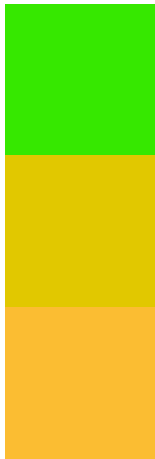


This preview shows how white text looks on a background with the Yxy color 58.4975, 0.3082, 0.5935.

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

58.4975, 0.3082, 0.5935

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

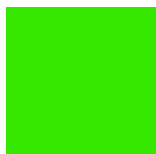
57.1347, 0.4623, 0.4511



Tritanopia

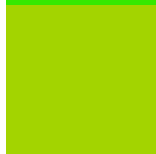
58.2461, 0.2402, 0.3070

Trichromacy



Original Color

58.4975, 0.3082, 0.5935



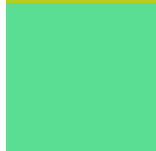
Protanomaly

54.8735, 0.3786, 0.5376



Deuteranomaly

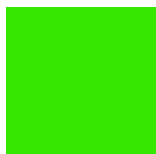
53.3506, 0.3929, 0.5152



Tritanomaly

56.5045, 0.2756, 0.4375

Monochromacy



Original Color

58.4975, 0.3082, 0.5935



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.6238, 0.3207, 0.4661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4975, 0.3082, 0.5935 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(54, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.4975, 0.3082, 0.5935 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(54, 232, 0) }
```

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

```
.border{ border-color:rgb(54, 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(54, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(54, 232, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 58.4975, 0.3082, 0.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 232, 0) }
```

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

```
.background{ background-color: rgb(54, 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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