

Converting Colors

$Y_{xy}(59.9233, 0.3219, 0.5826)$

Have a look what the booklet for
Yxy(59.9233, 0.3219, 0.5826)
contains.

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Color

Yxy(59.8869, 0.3218, 0.5827)

Conversions

Conversions Part 1

Format	Color
Hex	5AE800
RGB	90, 232, 0
RGB Percent	35%, 91%, 0%
CMY	0.6471, 0.0902, 1.0000
CMYK	0.61, 0.00, 1.00, 0.09
HSL	97°, 100%, 45%
HSV	97°, 100%, 91%
XYZ	33.0729, 59.8869, 9.8150
YIQ	163.0940, -10.1600, -102.2560

Conversions

Conversions Part 2

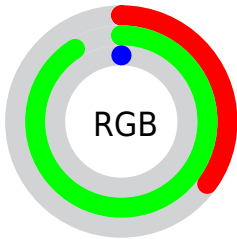
Format	Color
RYB	0, 232, 142
Decimal	5957632
CIELab	81.78, -69.77, 78.91
CIELCh	82, 105.328, 131.484
Yxy	59.8869, 0.3218, 0.5827
Android (android.graphics.Color)	4284147712 (0xFF5AE800)
YUV	163.0940, -80.4053, -64.1034
Hunter-Lab	77.3866, -59.1405, 46.6508

Details

The Yxy color **59.8869, 0.3218, 0.5827** 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 **11.5776, 0.2246, 0.1011**, and the grayscale version is **37.0651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1931, 0.3356, 0.5208**, and **30.6599, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **59.8895, 0.3218, 0.5827**, and if you desaturate by 10%, it is **60.7335, 0.3272, 0.5719**.

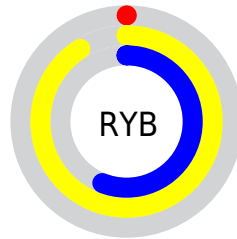
Distribution



Red (35%)

Green (91%)

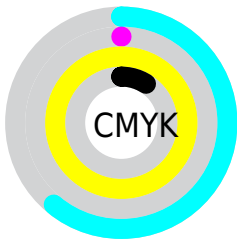
Blue (0%)



Red (0%)

Yellow (91%)

Blue (56%)

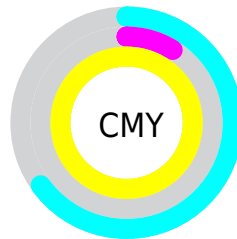


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (65%)


Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8869, 0.3218, 0.5827 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 59.8869, 0.3218, 0.5827 by changing the saturation by 10% instead.


 59.8869, 0.3218,
0.5827


 59.8869, 0.3218,
0.5827


424.1808, 0.3302,
0.4553

 43.3275, 0.3154,
0.6116


 104.6656, 0.3281,
0.5380

 30.1421, 0.3049,
0.6460


 133.6536, 0.3296,
0.5206

 19.9465, 0.2880,
0.6870


 167.5534, 0.3303,
0.5057

 12.3562, 0.2617,
0.7383

 206.7491, 0.3307,
0.4928

 6.9867, 0.2155,
0.7845

 251.6254, 0.3308,
0.4816

 3.4538, 0.1455,
0.8545

 302.5665, 0.3307,

 1.3730, 0.0000,

0.4717

1.0000

359.9568, 0.3305,
0.4630

■ 0.1967, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8869, 0.3218,
0.5827

■ 59.8869, 0.3218,
0.5827

■ 59.8895, 0.3218,
0.5827

■ 60.7335, 0.3272,
0.5719

■ 61.7959, 0.3314,
0.5553

■ 63.1071, 0.3339,
0.5326

■ 64.6873, 0.3344,
0.5052

■ 66.5541, 0.3332,
0.4748

■ 68.7232, 0.3306,
0.4432

■ 71.2092, 0.3269,
0.4120

■ 74.0256, 0.3225,
0.3821

■ 77.1848, 0.3177,
0.3543

Harmonies

Analogous

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



59.8869, 0.4340, 0.5322



59.8869, 0.3218, 0.5827



59.8869, 0.2129, 0.5043

Triad

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



59.8869, 0.3218, 0.5827



59.8869, 0.1208, 0.1629



59.8869, 0.5144, 0.2805

Complementary

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



59.8869, 0.3218, 0.5827



11.5776, 0.2246, 0.1011

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.



59.8869, 0.3850, 0.2140



59.8869, 0.3218, 0.5827



59.8869, 0.1650, 0.1501

Square

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



59.8869, 0.3218, 0.5827



59.8869, 0.1112, 0.2180



59.8869, 0.2529, 0.1681



59.8869, 0.5661, 0.3559

Rectangle

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



59.8869, 0.3218, 0.5827



59.8869, 0.1577, 0.3931



59.8869, 0.2529, 0.1681



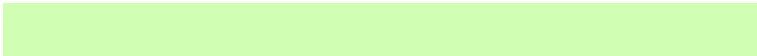
59.8869, 0.4767, 0.2569

Sweetspot

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



59.8895, 0.3218, 0.5827



88.1899, 0.3270, 0.4125



35.6806, 0.5134, 0.4306



18.5869, 0.3286, 0.4256



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.



59.8895, 0.3218, 0.5827



74.1682, 0.3215, 0.5830



57.7784, 0.2984, 0.5942



16.3603, 0.3174, 0.3529



33.3143, 0.3229, 0.5818



2.5141, 0.3344, 0.5727

Inverse Universe

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



11.5776, 0.2246, 0.1011



14.2958, 0.2241, 0.1008



21.7503, 0.3482, 0.1692



14.3215, 0.3076, 0.3054



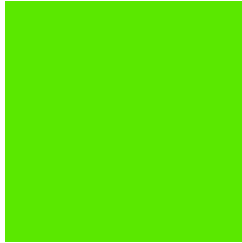
6.5019, 0.2261, 0.1019



0.5337, 0.2398, 0.1094

Previews

White Background



This preview shows how the Yxy color 59.8869, 0.3218, 0.5827 looks on a white background.

Color Contrast Check

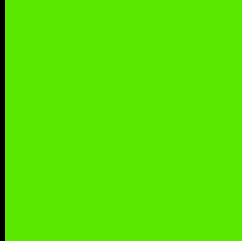
Large Text (above 18pt) WCAG AA × Fail

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 59.8869, 0.3218, 0.5827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

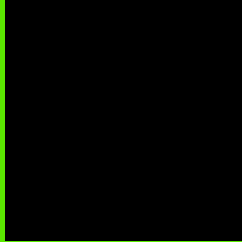
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

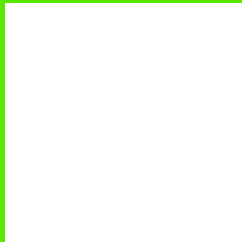
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.8869, 0.3218, 0.5827

Background



This preview shows how black text looks on a background with the Yxy color 59.8869, 0.3218, 0.5827.



This preview shows how white text looks on a background with the Yxy color 59.8869, 0.3218, 0.5827.

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

59.8869, 0.3218, 0.5827

Protanopia

58.5720, 0.4404, 0.4885

Deuteranopia

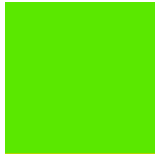
58.5542, 0.4632, 0.4516



Tritanopia

59.6621, 0.2490, 0.3075

Trichromacy



Original Color

59.8869, 0.3218, 0.5827



Protanomaly

56.9356, 0.3895, 0.5289



Deuteranomaly

55.7109, 0.4052, 0.5066



Tritanomaly

58.0255, 0.2881, 0.4338

Monochromacy



Original Color

59.8869, 0.3218, 0.5827



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.2002, 0.3313, 0.4564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8869, 0.3218, 0.5827 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(90, 232, 0)` looks like.

```
.text, #text, p{  
  color:rgb(90, 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(90, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.8869, 0.3218, 0.5827 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(90, 232, 0) }
```

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

```
.border{ border-color:rgb(90, 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(90, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 232, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 59.8869, 0.3218, 0.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 232, 0) }
```

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

```
.background{ background-color: rgb(90, 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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