

Converting Colors

Yxy(63.8306, 0.3017, 0.5986)

Have a look what the booklet for
Yxy(63.8306, 0.3017, 0.5986)
contains.

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Color

Yxy(63.6864, 0.3018, 0.5986)

Conversions

Conversions Part 1

Format	Color
Hex	17F200
RGB	23, 242, 0
RGB Percent	9%, 95%, 0%
CMY	0.9088, 0.0510, 1.0000
CMYK	0.90, 0.00, 1.00, 0.05
HSL	114°, 100%, 47%
HSV	114°, 100%, 95%
XYZ	32.1092, 63.6864, 10.5967
YIQ	148.9310, -52.8420, -121.6900

Conversions

Conversions Part 2

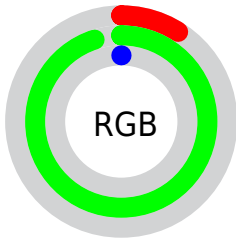
Format	Color
RYB	0, 242, 219
Decimal	1569280
CIELab	83.80, -81.95, 80.08
CIELCh	84, 114.579, 135.663
Yxy	63.6864, 0.3018, 0.5986
Android (android.graphics.Color)	4279759360 (0xFF17F200)
YUV	148.9310, -73.4230, -110.4415
Hunter-Lab	79.8038, -67.8368, 47.9899

Details

The Yxy color **63.6864, 0.3018, 0.5986** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **21.4320, 0.2964, 0.1407**, and the grayscale version is **30.3895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2513, 0.3158, 0.5310**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.6893, 0.3018, 0.5986**, and if you desaturate by 10%, it is **64.1316, 0.3038, 0.5902**.

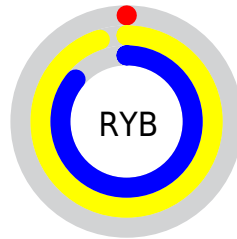
Distribution



Red (9%)

Green (95%)

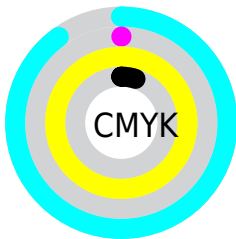
Blue (0%)



Red (0%)

Yellow (95%)

Blue (86%)

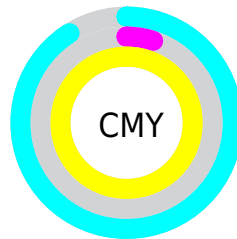


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (91%)


Magenta (5%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6864, 0.3018, 0.5986 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 63.6864, 0.3018, 0.5986 by changing the saturation by 10% instead.


 63.6864, 0.3018,
0.5986


 63.6864, 0.3018,
0.5986


 438.0563, 0.3204,
0.4626

 46.3967, 0.2932,
0.6297


 110.1592, 0.3117,
0.5507

 32.5590, 0.2801,
0.6668


 140.1111, 0.3145,
0.5321

 21.7888, 0.2603,
0.7108


 175.0525, 0.3164,
0.5162

 13.7018, 0.2317,
0.7683

 215.3678, 0.3178,
0.5025

 7.9136, 0.1834,
0.8166

 261.4415, 0.3188,
0.4905

 4.0397, 0.1109,
0.8891

 313.6578, 0.3195,

 1.6958, 0.0000,

0.4801

1.0000

372.4013, 0.3200,
0.4708

■ 0.4209, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6864, 0.3018,
0.5986

■ 63.6864, 0.3018,
0.5986

■ 63.6893, 0.3018,
0.5986

■ 64.1316, 0.3038,
0.5902

■ 64.9141, 0.3061,
0.5741

■ 66.0976, 0.3083,
0.5500

■ 67.7268, 0.3101,
0.5196

■ 69.8407, 0.3115,
0.4855

■ 72.4738, 0.3125,
0.4502

■ 75.6576, 0.3130,
0.4159

■ 79.4210, 0.3131,
0.3838

■ 83.7907, 0.3130,
0.3548

Harmonies

Analogous

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



63.6864, 0.4198, 0.5524



63.6864, 0.3018, 0.5986



63.6864, 0.1920, 0.4945

Triad

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



63.6864, 0.3018, 0.5986



63.6864, 0.1170, 0.1510



63.6864, 0.5408, 0.2868

Complementary

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



63.6864, 0.3018, 0.5986



21.4320, 0.2964, 0.1407

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.



63.6864, 0.4102, 0.2167



63.6864, 0.3018, 0.5986



63.6864, 0.1676, 0.1432

Square

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



63.6864, 0.3018, 0.5986



63.6864, 0.1022, 0.1994



63.6864, 0.2660, 0.1658



63.6864, 0.5783, 0.3646

Rectangle

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



63.6864, 0.3018, 0.5986



63.6864, 0.1400, 0.3710



63.6864, 0.2660, 0.1658



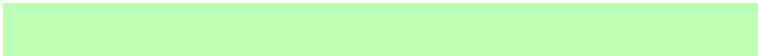
63.6864, 0.5048, 0.2623

Sweetspot

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



63.6893, 0.3018, 0.5986



85.1748, 0.3130, 0.4161



68.9162, 0.4384, 0.4901



17.8902, 0.3128, 0.4304



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.



63.6893, 0.3018, 0.5986



71.7204, 0.3017, 0.5986



64.3635, 0.2821, 0.5356



17.7290, 0.3130, 0.3533



34.2402, 0.3023, 0.5982



2.8728, 0.3074, 0.5941

Inverse Universe

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



21.4320, 0.2964, 0.1407



24.1260, 0.2964, 0.1406



20.9277, 0.4568, 0.2290



15.9497, 0.3123, 0.3056



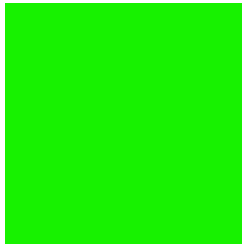
11.5467, 0.2969, 0.1409



0.9828, 0.3002, 0.1428

Previews

White Background



This preview shows how the Yxy color 63.6864, 0.3018, 0.5986 looks on a white background.

Color Contrast Check

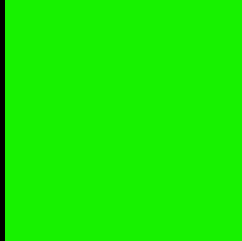
Large Text (above 18pt) WCAG AA × Fail

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 63.6864, 0.3018, 0.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

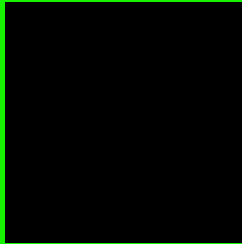
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6864, 0.3018, 0.5986

Background



This preview shows how black text looks on a background with the Yxy color 63.6864, 0.3018, 0.5986.



This preview shows how white text looks on a background with the Yxy color 63.6864, 0.3018, 0.5986.

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

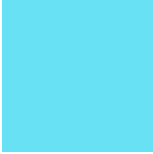
63.6864, 0.3018, 0.5986

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

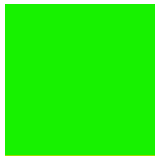
61.8806, 0.4417, 0.4344



Tritanopia

63.2051, 0.2360, 0.3063

Trichromacy



Original Color

63.6864, 0.3018, 0.5986



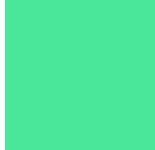
Protanomaly

58.3545, 0.3690, 0.5452



Deuteranomaly

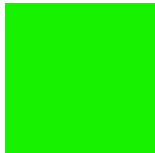
56.5223, 0.3747, 0.5131



Tritanomaly

60.9742, 0.2683, 0.4383

Monochromacy



Original Color

63.6864, 0.3018, 0.5986



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

37.5768, 0.3115, 0.4759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6864, 0.3018, 0.5986 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(23, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(23, 242, 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(23, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.6864, 0.3018, 0.5986 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(23, 242, 0) }
```

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

```
.border{ border-color:rgb(23, 242, 0) }
```

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

Here you see how a box with a 4 pixel rgb(23, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(23, 242, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 63.6864, 0.3018, 0.5986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 242, 0) }
```

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

```
.background{ background-color: rgb(23, 242,  
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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