

Converting Colors

$Y_{xy}(64.2566, 0.3058, 0.5954)$

Have a look what the booklet for
Yxy(64.2566, 0.3058, 0.5954)
contains.

Yxy(64.1086, 0.3058, 0.5954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.1086, 0.3058, 0.5954)

Conversions

Conversions Part 1

Format	Color
Hex	2FF200
RGB	47, 242, 0
RGB Percent	18%, 95%, 0%
CMY	0.8154, 0.0510, 1.0000
CMYK	0.81, 0.00, 1.00, 0.05
HSL	108°, 100%, 47%
HSV	108°, 100%, 95%
XYZ	32.9265, 64.1086, 10.6381
YIQ	156.1070, -38.5380, -116.6020

Conversions

Conversions Part 2

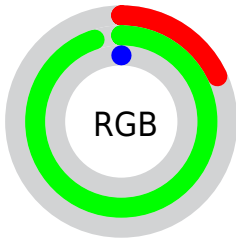
Format	Color
RYB	0, 242, 195
Decimal	3142144
CIELab	84.02, -79.97, 80.34
CIELCh	84, 113.355, 134.869
Yxy	64.1086, 0.3058, 0.5954
Android (android.graphics.Color)	4281332224 (0xFF2FF200)
YUV	156.1070, -76.9608, -95.6868
Hunter-Lab	80.0678, -66.7138, 48.1700

Details

The Yxy color **64.1086, 0.3058, 0.5954** 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 **18.0067, 0.2713, 0.1268**, and the grayscale version is **33.6695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9253, 0.3204, 0.5282**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.1110, 0.3058, 0.5954**, and if you desaturate by 10%, it is **64.7500, 0.3095, 0.5858**.

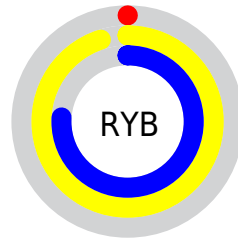
Distribution



Red (18%)

Green (95%)

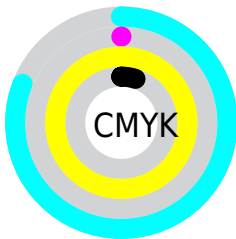
Blue (0%)



Red (0%)

Yellow (95%)

Blue (76%)

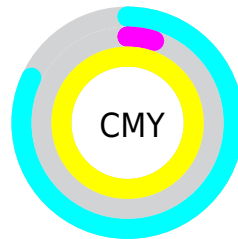


Cyan (81%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (82%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1086, 0.3058, 0.5954 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 64.1086, 0.3058, 0.5954 by changing the saturation by 10% instead.

 64.1086, 0.3058,
0.5954


 64.1086, 0.3058,
0.5954


 439.5817, 0.3223,
0.4616

 46.7386, 0.2977,
0.6258


 110.7673, 0.3149,
0.5484


 32.8291, 0.2853,
0.6622


 140.8249, 0.3175,
0.5301

 21.9955, 0.2662,
0.7051


 175.8804, 0.3192,
0.5144

 13.8536, 0.2387,
0.7613

 216.3183, 0.3204,
0.5009

 8.0189, 0.1914,
0.8086

 262.5230, 0.3212,
0.4891

 4.1071, 0.1229,
0.8771

 314.8789, 0.3218,

 1.7336, 0.0000,

0.4788

1.0000

373.7703, 0.3221,
0.4697

■ 0.4453, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.1086, 0.3058,
0.5954

■ 64.1086, 0.3058,
0.5954

■ 64.1110, 0.3058,
0.5954

■ 64.7500, 0.3095,
0.5858

■ 65.7031, 0.3130,
0.5691

■ 67.0178, 0.3158,
0.5450

■ 68.7281, 0.3176,
0.5152

■ 70.8639, 0.3184,
0.4822

■ 73.4522, 0.3184,
0.4480

■ 76.5174, 0.3176,
0.4146

■ 80.0825, 0.3163,
0.3833

■ 84.1688, 0.3146,
0.3546

Harmonies

Analogous

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



64.1086, 0.4227, 0.5484



64.1086, 0.3058, 0.5954



64.1086, 0.1961, 0.4965

Triad

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



64.1086, 0.3058, 0.5954



64.1086, 0.1177, 0.1533



64.1086, 0.5356, 0.2857

Complementary

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



64.1086, 0.3058, 0.5954



18.0067, 0.2713, 0.1268

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.



64.1086, 0.4051, 0.2162



64.1086, 0.3058, 0.5954



64.1086, 0.1671, 0.1446

Square

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



64.1086, 0.3058, 0.5954



64.1086, 0.1039, 0.2030



64.1086, 0.2634, 0.1663



64.1086, 0.5761, 0.3630

Rectangle

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



64.1086, 0.3058, 0.5954



64.1086, 0.1434, 0.3754



64.1086, 0.2634, 0.1663



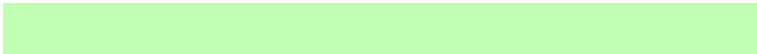
64.1086, 0.4992, 0.2613

Sweetspot

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



64.1113, 0.3058, 0.5954



86.1412, 0.3176, 0.4149



57.2850, 0.4605, 0.4726



18.1114, 0.3180, 0.4289



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.



64.1113, 0.3058, 0.5954



72.1875, 0.3057, 0.5955



63.9814, 0.2895, 0.5624



17.8043, 0.3145, 0.3532



34.4847, 0.3066, 0.5948



2.9086, 0.3147, 0.5883

Inverse Universe

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



18.0067, 0.2713, 0.1268



20.2588, 0.2712, 0.1267



21.7576, 0.4165, 0.2068



15.8671, 0.3107, 0.3055



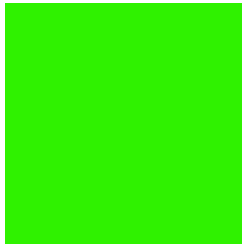
9.7307, 0.2722, 0.1273



0.8488, 0.2789, 0.1310

Previews

White Background



This preview shows how the Yxy color 64.1086, 0.3058, 0.5954 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 64.1086, 0.3058, 0.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

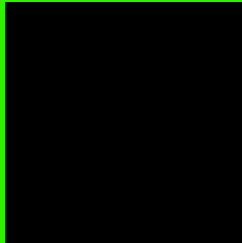
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1086, 0.3058, 0.5954

Background



This preview shows how black text looks on a background with the Yxy color 64.1086, 0.3058, 0.5954.



This preview shows how white text looks on a background with the Yxy color 64.1086, 0.3058, 0.5954.

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

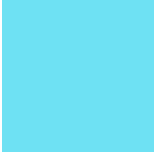
64.1086, 0.3058, 0.5954

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

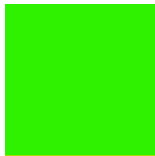
62.4035, 0.4387, 0.4324



Tritanopia

63.6365, 0.2386, 0.3065

Trichromacy



Original Color

64.1086, 0.3058, 0.5954



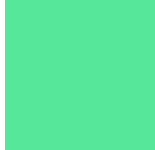
Protanomaly

59.2934, 0.3760, 0.5396



Deuteranomaly

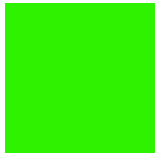
57.9823, 0.3797, 0.5073



Tritanomaly

61.5446, 0.2728, 0.4370

Monochromacy



Original Color

64.1086, 0.3058, 0.5954



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

40.1545, 0.3184, 0.4696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1086, 0.3058, 0.5954 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(47, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(47, 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(47, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.1086, 0.3058, 0.5954 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(47, 242, 0) }
```

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

```
.border{ border-color:rgb(47, 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(47, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(47, 242, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.1086, 0.3058, 0.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 242, 0) }
```

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

```
.background{ background-color: rgb(47, 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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