

Converting Colors

$Yxy(64.0658, 0.3007, 0.5986)$

Have a look what the booklet for
Yxy(64.0658, 0.3007, 0.5986)
contains.

Yxy(64.2033, 0.3007, 0.5986)	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(64.2033, 0.3007, 0.5986)

Conversions

Conversions Part 1

Format	Color
Hex	0EF304
RGB	14, 243, 4
RGB Percent	5%, 95%, 2%
CMY	0.9454, 0.0470, 0.9851
CMYK	0.94, 0.00, 0.98, 0.05
HSL	117°, 97%, 48%
HSV	117°, 98%, 95%
XYZ	32.2518, 64.2033, 10.8007
YIQ	147.2830, -59.7650, -122.8770

Conversions

Conversions Part 2

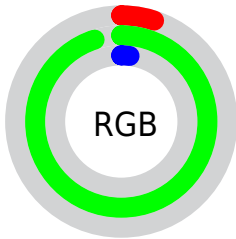
Format	Color
RYB	4, 243, 233
Decimal	979716
CIELab	84.07, -82.60, 79.96
CIELCh	84, 114.957, 135.931
Yxy	64.2033, 0.3007, 0.5986
Android (android.graphics.Color)	4279169796 (0xFF0EF304)
YUV	147.2830, -70.6385, -116.8892
Hunter-Lab	80.1270, -68.3744, 48.0969

Details

The Yxy color **64.2033, 0.3007, 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 **23.8553, 0.3103, 0.1487**, and the grayscale version is **29.6014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1973, 0.3150, 0.5304**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.1713, 0.3006, 0.5995**, and if you desaturate by 10%, it is **64.5862, 0.3018, 0.5901**.

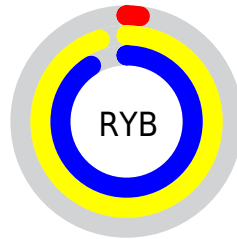
Distribution



Red (5%)

Green (95%)

Blue (2%)



Red (2%)

Yellow (95%)

Blue (91%)

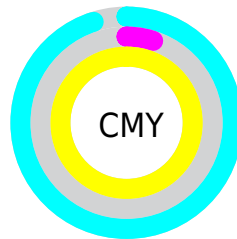


Cyan (94%)

Magenta (0%)

Yellow (98%)

Black (5%)



Cyan (95%)


Magenta (5%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2033, 0.3007, 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 64.2033, 0.3007, 0.5986 by changing the saturation by 10% instead.

 64.2033, 0.3007,
0.5986


 64.2033, 0.3007,
0.5986


439.9234, 0.3197,
0.4626


 46.8154, 0.2920,
0.6297

 110.9037, 0.3107,
0.5507


 32.8897, 0.2790,
0.6669


 140.9849, 0.3135,
0.5321


 22.0420, 0.2591,
0.7109


 176.0660, 0.3156,
0.5162

 13.8877, 0.2309,
0.7691

 216.5313, 0.3170,
0.5025

 8.0426, 0.1827,
0.8173

 262.7654, 0.3180,
0.4905

 4.1222, 0.1114,
0.8886

 315.1525, 0.3188,

 1.7422, 0.0000,

0.4801

1.0000

374.0770, 0.3193,
0.4708

■ 0.4507, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2033, 0.3007,
0.5986

■ 64.2033, 0.3007,
0.5986


■ 64.1713, 0.3006,
0.5995

■ 64.5862, 0.3018,
0.5901


■ 65.3319, 0.3033,
0.5731

■ 66.5095, 0.3050,
0.5480


■ 68.1713, 0.3066,
0.5165

 70.3618, 0.3082,
0.4816

 73.1208, 0.3095,
0.4458

 76.4841, 0.3107,
0.4113

 80.4845, 0.3116,
0.3793

 85.1527, 0.3123,
0.3506

Harmonies

Analogous

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



64.2033, 0.4187, 0.5533



64.2033, 0.3007, 0.5986



64.2033, 0.1910, 0.4930

Triad

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



64.2033, 0.3007, 0.5986



64.2033, 0.1172, 0.1507



64.2033, 0.5417, 0.2875

Complementary

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



64.2033, 0.3007, 0.5986



23.8553, 0.3103, 0.1487

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.



64.2033, 0.4116, 0.2173



64.2033, 0.3007, 0.5986



64.2033, 0.1682, 0.1432

Square

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



64.2033, 0.3007, 0.5986



64.2033, 0.1021, 0.1986



64.2033, 0.2671, 0.1661



64.2033, 0.5783, 0.3653

Rectangle

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



64.2033, 0.3007, 0.5986



64.2033, 0.1394, 0.3694



64.2033, 0.2671, 0.1661



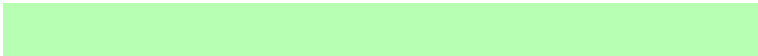
64.2033, 0.5060, 0.2629

Sweetspot

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



64.2060, 0.3007, 0.5986



84.6682, 0.3105, 0.4168



76.2414, 0.4281, 0.4977



17.7752, 0.3100, 0.4313



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.



64.2060, 0.3007, 0.5986



71.5898, 0.3006, 0.5995



65.2867, 0.2773, 0.5173



18.5055, 0.3122, 0.3534



35.2320, 0.3009, 0.5993



3.1081, 0.3032, 0.5975

Inverse Universe

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



23.8553, 0.3103, 0.1487



26.4876, 0.3101, 0.1482



20.8977, 0.4748, 0.2396



16.7304, 0.3131, 0.3056



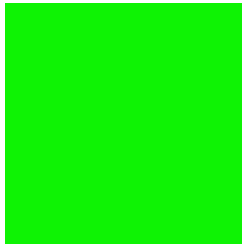
13.0474, 0.3103, 0.1483



1.1576, 0.3117, 0.1491

Previews

White Background



This preview shows how the Yxy color 64.2033, 0.3007, 0.5986 looks on a white background.

Color Contrast Check

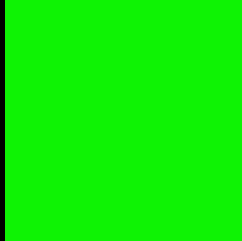
Large Text (above 18pt) WCAG AA × Fail

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 64.2033, 0.3007, 0.5986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

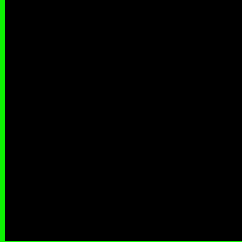
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2033, 0.3007, 0.5986

Background



This preview shows how black text looks on a background with the Yxy color 64.2033, 0.3007, 0.5986.



This preview shows how white text looks on a background with the Yxy color 64.2033, 0.3007, 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

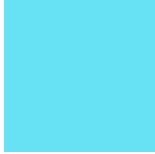
64.2033, 0.3007, 0.5986

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

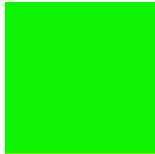
62.4209, 0.4382, 0.4316



Tritanopia

63.8079, 0.2359, 0.3064

Trichromacy



Original Color

64.2033, 0.3007, 0.5986



Protanomaly

58.5851, 0.3661, 0.5473



Deuteranomaly

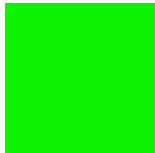
56.6349, 0.3693, 0.5126



Tritanomaly

61.4871, 0.2666, 0.4366

Monochromacy



Original Color

64.2033, 0.3007, 0.5986



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

36.9348, 0.3086, 0.4762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2033, 0.3007, 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(14, 243, 4)` looks like.

```
.text, #text, p{  
    color:rgb(14, 243, 4)  
}
```

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(14, 243, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 243, 4) }
```

Border

The CSS property to change the border of an element to Yxy 64.2033, 0.3007, 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(14, 243, 4) }
```

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

```
.border{ border-color:rgb(14, 243, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 243, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 243, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 243, 4);  
box-shadow:4px 4px 4px 4px rgb(14, 243, 4)  
}
```


Background

The CSS property to change the background color of an element to Yxy 64.2033, 0.3007, 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(14, 243, 4) }
```

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

```
.background{ background-color: rgb(14, 243,  
4) }
```

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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