

Converting Colors

$Yxy(64.2948, 0.3002, 0.5954)$

Have a look what the booklet for
Yxy(64.2948, 0.3002, 0.5954)
contains.

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Color

Yxy(64.2735, 0.3002, 0.5954)

Conversions

Conversions Part 1

Format	Color
Hex	12F312
RGB	18, 243, 18
RGB Percent	7%, 95%, 7%
CMY	0.9301, 0.0470, 0.9293
CMYK	0.93, 0.00, 0.93, 0.05
HSL	120°, 90%, 51%
HSV	120°, 93%, 95%
XYZ	32.4066, 64.2735, 11.2700
YIQ	150.0750, -61.8750, -117.6750

Conversions

Conversions Part 2

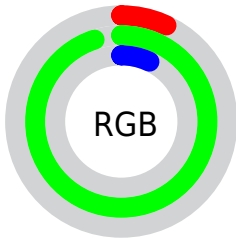
Format	Color
R_{YB}	18, 243, 243
Decimal	1241874
CIE _{Lab}	84.11, -82.20, 78.70
CIE _{LCh}	84, 113.796, 136.247
Yxy	64.2735, 0.3002, 0.5954
Android (android.graphics.Color)	4279431954 (0xFF12F312)
YUV	150.0750, -65.1130, -115.8298
Hunter-Lab	80.1708, -68.1455, 47.7848

Details

The Yxy color **64.2735, 0.3002, 0.5954** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.9419, 0.3210, 0.1562**, and the grayscale version is **30.8122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2501, 0.3140, 0.5275**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.1061, 0.3000, 0.6000**, and if you desaturate by 10%, it is **64.7696, 0.3008, 0.5827**.

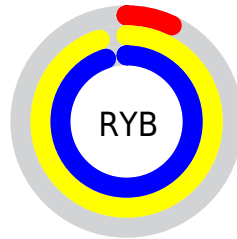
Distribution



Red (7%)

Green (95%)

Blue (7%)



Red (7%)

Yellow (95%)

Blue (95%)

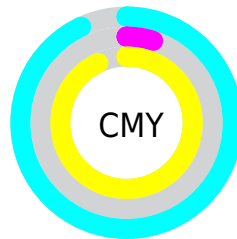


Cyan (93%)

Magenta (0%)

Yellow (93%)

Black (5%)



Cyan (93%)


Magenta (5%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2735, 0.3002, 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 64.2735, 0.3002, 0.5954 by changing the saturation by 10% instead.

 64.2735, 0.3002,
0.5954


 64.2735, 0.3002,
0.5954


440.1766, 0.3190,
0.4608

 46.8722, 0.2917,
0.6264


 111.0047, 0.3100,
0.5479


 32.9347, 0.2790,
0.6635


 141.1035, 0.3128,
0.5295


 22.0764, 0.2595,
0.7077


 176.2035, 0.3148,
0.5137

 13.9130, 0.2322,
0.7678

 216.6892, 0.3163,
0.5002

 8.0602, 0.1843,
0.8157

 262.9450, 0.3173,
0.4884

 4.1335, 0.1137,
0.8863

 315.3552, 0.3181,

 1.7485, 0.0000,

0.4781

1.0000

374.3043, 0.3186,
0.4689

■ 0.4548, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2735, 0.3002,
0.5954

■ 64.2735, 0.3002,
0.5954


■ 64.1061, 0.3000,
0.6000

■ 64.7696, 0.3008,
0.5827


■ 65.6785, 0.3018,
0.5610


■ 67.0682, 0.3031,
0.5319


■ 68.9924, 0.3047,
0.4979

 71.4981, 0.3064,
0.4618

 74.6267, 0.3081,
0.4261

 78.4162, 0.3097,
0.3927

 82.9013, 0.3111,
0.3624

 88.1145, 0.3124,
0.3356

Harmonies

Analogous

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



64.2735, 0.4175, 0.5528



64.2735, 0.3002, 0.5954



64.2735, 0.1914, 0.4892

Triad

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



64.2735, 0.3002, 0.5954



64.2735, 0.1188, 0.1518



64.2735, 0.5405, 0.2889

Complementary

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



64.2735, 0.3002, 0.5954



25.9419, 0.3210, 0.1562

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.



64.2735, 0.4123, 0.2189



64.2735, 0.3002, 0.5954



64.2735, 0.1701, 0.1445

Square

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



64.2735, 0.3002, 0.5954



64.2735, 0.1034, 0.1991



64.2735, 0.2689, 0.1677



64.2735, 0.5760, 0.3666

Rectangle

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



64.2735, 0.3002, 0.5954



64.2735, 0.1403, 0.3674



64.2735, 0.2689, 0.1677



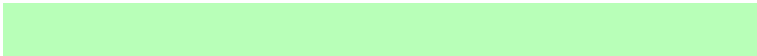
64.2735, 0.5053, 0.2644

Sweetspot

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



64.2762, 0.3002, 0.5954



85.1076, 0.3089, 0.4104



83.2047, 0.4182, 0.5033



17.8430, 0.3082, 0.4252



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.



64.2762, 0.3002, 0.5954



71.5205, 0.3000, 0.6000



65.8552, 0.2708, 0.4905



18.4723, 0.3116, 0.3534



35.1814, 0.3000, 0.5999



3.0922, 0.2999, 0.5998

Inverse Universe

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



25.9419, 0.3210, 0.1562



28.4652, 0.3211, 0.1543



21.1054, 0.4823, 0.2468



16.7681, 0.3138, 0.3057



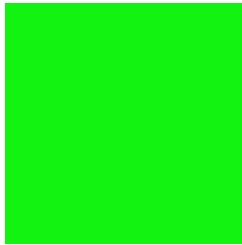
14.0023, 0.3211, 0.1543



1.2307, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 64.2735, 0.3002, 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 64.2735, 0.3002, 0.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

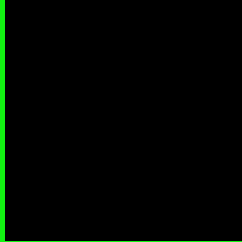
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

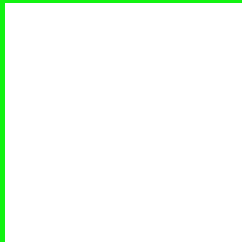
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2735, 0.3002, 0.5954

Background



This preview shows how black text looks on a background with the Yxy color 64.2735, 0.3002, 0.5954.



This preview shows how white text looks on a background with the Yxy color 64.2735, 0.3002, 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

64.2735, 0.3002, 0.5954

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

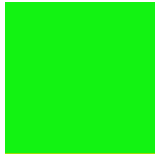
62.4385, 0.4376, 0.4309



Tritanopia

63.8079, 0.2359, 0.3064

Trichromacy



Original Color

64.2735, 0.3002, 0.5954



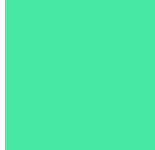
Protanomaly

58.6968, 0.3664, 0.5457



Deuteranomaly

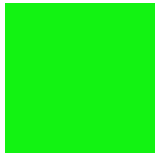
56.9215, 0.3687, 0.5070



Tritanomaly

61.6996, 0.2645, 0.4290

Monochromacy



Original Color

64.2735, 0.3002, 0.5954



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

38.0651, 0.3063, 0.4660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2735, 0.3002, 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(18, 243, 18)` looks like.

```
.text, #text, p{  
    color:rgb(18, 243, 18)  
}
```

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(18, 243, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 243, 18) }
```

Border

The CSS property to change the border of an element to Yxy 64.2735, 0.3002, 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(18, 243, 18) }
```

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

```
.border{ border-color:rgb(18, 243, 18) }
```

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

Here you see how a box with a 4 pixel rgb(18, 243, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 243, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 243, 18);  
box-shadow:4px 4px 4px 4px rgb(18, 243,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2735, 0.3002, 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(18, 243, 18) }
```

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

```
.background{ background-color: rgb(18, 243,  
18) }
```

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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