

Converting Colors

Yxy(64.3749, 0.3051, 0.5902)

Have a look what the booklet for
Yxy(64.3749, 0.3051, 0.5902)
contains.

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Color

Yxy(64.2403, 0.3051, 0.5901)

Conversions

Conversions Part 1

Format	Color
Hex	32F216
RGB	50, 242, 22
RGB Percent	20%, 95%, 9%
CMY	0.8037, 0.0510, 0.9136
CMYK	0.79, 0.00, 0.91, 0.05
HSL	112°, 89%, 52%
HSV	112°, 91%, 95%
XYZ	33.2142, 64.2403, 11.4089
YIQ	159.5120, -43.8120, -109.1240

Conversions

Conversions Part 2

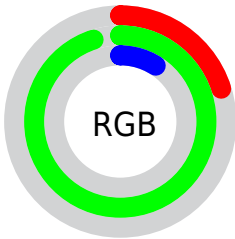
Format	Color
R _Y B	22, 242, 214
Decimal	3338774
CIE Lab	84.09, -79.25, 78.28
CIE LCh	84, 111.391, 135.350
Yxy	64.2403, 0.3051, 0.5901
Android (android.graphics.Color)	4281528854 (0xFF32F216)
YUV	159.5120, -67.7934, -96.0420
Hunter-Lab	80.1500, -66.2921, 47.6655

Details

The Yxy color **64.2403, 0.3051, 0.5901** 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 **21.2806, 0.2915, 0.1408**, and the grayscale version is **35.2598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1898, 0.3194, 0.5219**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **63.7941, 0.3028, 0.5978**, and if you desaturate by 10%, it is **65.0506, 0.3079, 0.5745**.

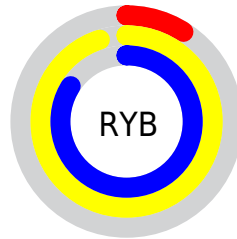
Distribution



Red (20%)

Green (95%)

Blue (9%)



Red (9%)

Yellow (95%)

Blue (84%)

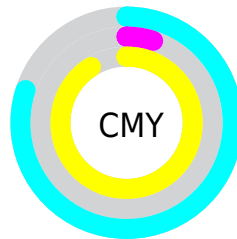


Cyan (79%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (80%)


Magenta (5%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2403, 0.3051, 0.5901 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 64.2403, 0.3051, 0.5901 by changing the saturation by 10% instead.


 64.2403, 0.3051,
0.5901

 64.2403, 0.3051,
0.5901


440.0569, 0.3212,
0.4586


 46.8453, 0.2973,
0.6203


 110.9569, 0.3139,
0.5437


 32.9134, 0.2854,
0.6565


 141.0474, 0.3164,
0.5257


 22.0601, 0.2670,
0.6997


 176.1385, 0.3181,
0.5104

 13.9011, 0.2411,
0.7589

 216.6145, 0.3192,
0.4971

 8.0519, 0.1942,
0.8058

 262.8600, 0.3201,
0.4856

 4.1282, 0.1270,
0.8730

 315.2593, 0.3206,

 1.7455, 0.0000,

0.4754

1.0000

374.1968, 0.3210,
0.4665

■ 0.4529, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2403, 0.3051,
0.5901

■ 64.2403, 0.3051,
0.5901


■ 63.7941, 0.3028,
0.5978


■ 65.0506, 0.3079,
0.5745

■ 66.2433, 0.3103,
0.5509


■ 67.8627, 0.3123,
0.5211


■ 69.9448, 0.3136,
0.4875

 72.5219, 0.3143,
0.4526

 75.6231, 0.3144,
0.4184

 79.2754, 0.3142,
0.3864

 83.5039, 0.3136,
0.3572

 88.3322, 0.3128,
0.3312

Harmonies

Analogous

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



64.2403, 0.4206, 0.5473



64.2403, 0.3051, 0.5901



64.2403, 0.1968, 0.4904

Triad

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



64.2403, 0.3051, 0.5901



64.2403, 0.1204, 0.1552



64.2403, 0.5333, 0.2880

Complementary

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



64.2403, 0.3051, 0.5901



21.2806, 0.2915, 0.1408

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.



64.2403, 0.4061, 0.2188



64.2403, 0.3051, 0.5901



64.2403, 0.1702, 0.1469

Square

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



64.2403, 0.3051, 0.5901



64.2403, 0.1063, 0.2039



64.2403, 0.2662, 0.1689



64.2403, 0.5721, 0.3650

Rectangle

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



64.2403, 0.3051, 0.5901



64.2403, 0.1450, 0.3721



64.2403, 0.2662, 0.1689



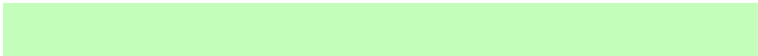
64.2403, 0.4979, 0.2637

Sweetspot

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



64.2430, 0.3051, 0.5901



86.6627, 0.3144, 0.4059



66.3600, 0.4407, 0.4836



18.2614, 0.3144, 0.4171



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.



64.2430, 0.3051, 0.5901



71.8347, 0.3027, 0.5979



64.6496, 0.2816, 0.5274



17.7528, 0.3135, 0.3533



34.3017, 0.3034, 0.5973



2.8842, 0.3098, 0.5923

Inverse Universe

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



21.2806, 0.2915, 0.1408



22.8327, 0.2883, 0.1362



22.0383, 0.4283, 0.2177



15.9234, 0.3118, 0.3056



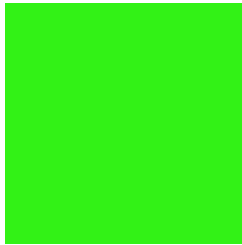
10.9401, 0.2890, 0.1366



0.9384, 0.2934, 0.1390

Previews

White Background



This preview shows how the Yxy color 64.2403, 0.3051, 0.5901 looks on a white background.

Color Contrast Check

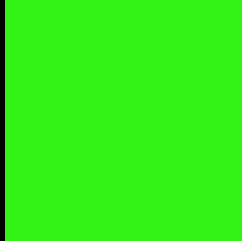
Large Text (above 18pt) WCAG AA × Fail

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 64.2403, 0.3051, 0.5901 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 64.2403, 0.3051, 0.5901

Background



This preview shows how black text looks on a background with the Yxy color 64.2403, 0.3051, 0.5901.



This preview shows how white text looks on a background with the Yxy color 64.2403, 0.3051, 0.5901.

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

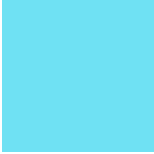
64.2403, 0.3051, 0.5901

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

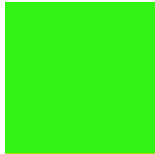
62.4385, 0.4376, 0.4309



Tritanopia

63.7010, 0.2389, 0.3065

Trichromacy



Original Color

64.2403, 0.3051, 0.5901



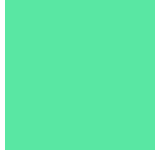
Protanomaly

59.4194, 0.3762, 0.5377



Deuteranomaly

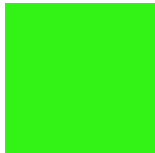
58.2017, 0.3773, 0.5004



Tritanomaly

61.9200, 0.2697, 0.4248

Monochromacy



Original Color

64.2403, 0.3051, 0.5901



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.9458, 0.3141, 0.4547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2403, 0.3051, 0.5901 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(50, 242, 22)` looks like.

```
.text, #text, p{  
    color:rgb(50, 242, 22)  
}
```

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(50, 242, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 242, 22) }
```

Border

The CSS property to change the border of an element to Yxy 64.2403, 0.3051, 0.5901 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(50, 242, 22) }
```

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

```
.border{ border-color:rgb(50, 242, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 242, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 242, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 242, 22);  
box-shadow:4px 4px 4px 4px rgb(50, 242,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2403, 0.3051, 0.5901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 242, 22) }
```

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

```
.background{ background-color: rgb(50, 242,  
22) }
```

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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