

Converting Colors

$Y_{xy}(64.7656, 0.3102, 0.5875)$

Have a look what the booklet for
Yxy(64.7656, 0.3102, 0.5875)
contains.

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Color

Yxy(64.7412, 0.3102, 0.5876)

Conversions

Conversions Part 1

Format	Color
Hex	43F212
RGB	67, 242, 18
RGB Percent	26%, 95%, 7%
CMY	0.7371, 0.0510, 0.9300
CMYK	0.72, 0.00, 0.93, 0.05
HSL	107°, 90%, 51%
HSV	107°, 93%, 95%
XYZ	34.1775, 64.7412, 11.2603
YIQ	164.1390, -32.3960, -106.7640

Conversions

Conversions Part 2

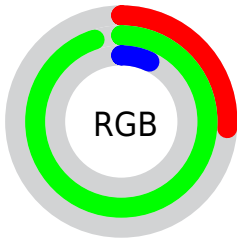
Format	Color
R _Y B	18, 242, 193
Decimal	4452882
CIE Lab	84.35, -76.99, 79.14
CIE LCh	84, 110.412, 134.211
Yxy	64.7412, 0.3102, 0.5876
Android (android.graphics.Color)	4282642962 (0xFF43F212)
YUV	164.1390, -72.0465, -85.1909
Hunter-Lab	80.4619, -64.9875, 48.0260

Details

The Yxy color **64.7412, 0.3102, 0.5876** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **18.1521, 0.2692, 0.1280**, and the grayscale version is **37.5562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9036, 0.3249, 0.5209**, and **34.2810, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.2655, 0.3072, 0.5943**, and if you desaturate by 10%, it is **65.6488, 0.3141, 0.5727**.

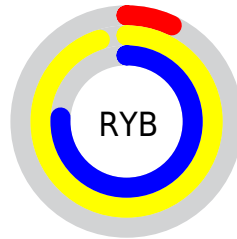
Distribution



Red (26%)

Green (95%)

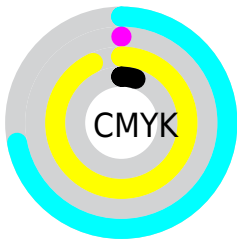
Blue (7%)



Red (7%)

Yellow (95%)

Blue (76%)

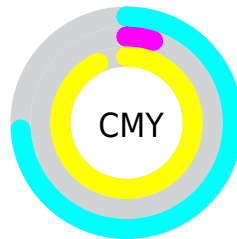


Cyan (72%)

Magenta (0%)

Yellow (93%)

Black (5%)



Cyan (74%)


Magenta (5%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7412, 0.3102, 0.5876 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 64.7412, 0.3102, 0.5876 by changing the saturation by 10% instead.


 64.7412, 0.3102,
0.5876


 64.7412, 0.3102,
0.5876


 441.8614, 0.3240,
0.4581


 47.2513, 0.3029,
0.6171


 111.6777, 0.3182,
0.5421


 33.2343, 0.2917,
0.6524

 141.8931, 0.3203,
0.5244


 22.3060, 0.2740,
0.6942


 177.1190, 0.3218,
0.5093

 14.0819, 0.2491,
0.7509

 217.7399, 0.3227,
0.4962

 8.1777, 0.2034,
0.7966

 264.1402, 0.3233,
0.4848

 4.2088, 0.1396,
0.8604

 316.7043, 0.3237,

 1.7911, 0.0000,

0.4748

1.0000

375.8166, 0.3239,
0.4659

■ 0.4816, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7412, 0.3102,
0.5876

■ 64.7412, 0.3102,
0.5876


■ 64.2655, 0.3072,
0.5943


■ 65.6488, 0.3141,
0.5727


■ 66.8950, 0.3172,
0.5505


■ 68.5158, 0.3193,
0.5222


■ 70.5404, 0.3202,
0.4901

 72.9945, 0.3201,
0.4563

 75.9020, 0.3191,
0.4229

 79.2846, 0.3175,
0.3911

 83.1630, 0.3156,
0.3618

 87.5561, 0.3133,
0.3354

Harmonies

Analogous

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



64.7412, 0.4247, 0.5426



64.7412, 0.3102, 0.5876



64.7412, 0.2017, 0.4944

Triad

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



64.7412, 0.3102, 0.5876



64.7412, 0.1207, 0.1576



64.7412, 0.5274, 0.2859

Complementary

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



64.7412, 0.3102, 0.5876



18.1521, 0.2692, 0.1280

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.



64.7412, 0.3996, 0.2175



64.7412, 0.3102, 0.5876



64.7412, 0.1688, 0.1480

Square

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



64.7412, 0.3102, 0.5876



64.7412, 0.1079, 0.2082



64.7412, 0.2623, 0.1688



64.7412, 0.5702, 0.3624

Rectangle

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



64.7412, 0.3102, 0.5876



64.7412, 0.1490, 0.3784



64.7412, 0.2623, 0.1688



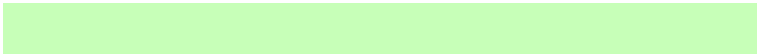
64.7412, 0.4914, 0.2618

Sweetspot

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



64.7439, 0.3102, 0.5876



87.1429, 0.3185, 0.4082



55.6191, 0.4625, 0.4670



18.3126, 0.3191, 0.4222



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.



64.7439, 0.3102, 0.5876



72.3596, 0.3071, 0.5944



64.1777, 0.2893, 0.5566



17.8236, 0.3149, 0.3532



34.5720, 0.3081, 0.5936



2.9185, 0.3167, 0.5868

Inverse Universe

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



18.1521, 0.2692, 0.1280



19.3675, 0.2648, 0.1233



22.6928, 0.3961, 0.1984



15.8463, 0.3103, 0.3055



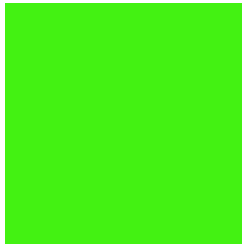
9.3111, 0.2659, 0.1239



0.8173, 0.2735, 0.1280

Previews

White Background



This preview shows how the Yxy color 64.7412, 0.3102, 0.5876 looks on a white background.

Color Contrast Check

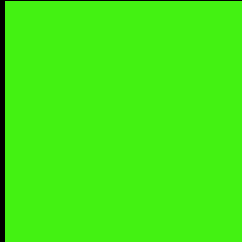
Large Text (above 18pt) WCAG AA × Fail

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 64.7412, 0.3102, 0.5876 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

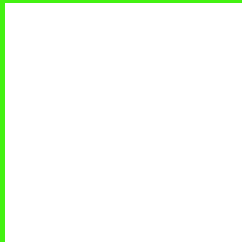
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7412, 0.3102, 0.5876

Background



This preview shows how black text looks on a background with the Yxy color 64.7412, 0.3102, 0.5876.



This preview shows how white text looks on a background with the Yxy color 64.7412, 0.3102, 0.5876.

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

64.7412, 0.3102, 0.5876

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

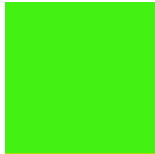
62.9887, 0.4339, 0.4279



Tritanopia

64.1730, 0.2417, 0.3067

Trichromacy



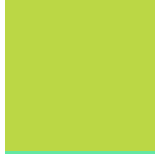
Original Color

64.7412, 0.3102, 0.5876



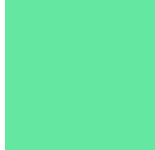
Protanomaly

60.7247, 0.3813, 0.5342



Deuteranomaly

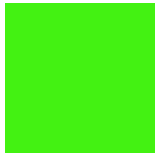
59.5953, 0.3817, 0.4959



Tritanomaly

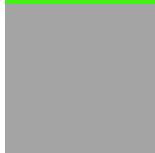
62.3777, 0.2747, 0.4267

Monochromacy



Original Color

64.7412, 0.3102, 0.5876



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

43.5141, 0.3202, 0.4528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7412, 0.3102, 0.5876 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(67, 242, 18)` looks like.

```
.text, #text, p{  
    color:rgb(67, 242, 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(67, 242, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 242, 18) }
```

Border

The CSS property to change the border of an element to Yxy 64.7412, 0.3102, 0.5876 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(67, 242, 18) }
```

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

```
.border{ border-color:rgb(67, 242, 18) }
```

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

Here you see how a box with a 4 pixel rgb(67, 242, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 242, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 242, 18);  
box-shadow:4px 4px 4px 4px rgb(67, 242,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7412, 0.3102, 0.5876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 242, 18) }
```

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

```
.background{ background-color: rgb(67, 242,  
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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