

Converting Colors

Yxy(48.5384, 0.3191, 0.5818)

Have a look what the booklet for
Yxy(48.5384, 0.3191, 0.5818)
contains.

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Color

Yxy(48.7308, 0.3192, 0.5816)

Conversions

Conversions Part 1

Format	Color
Hex	4ED40B
RGB	78, 212, 11
RGB Percent	31%, 83%, 4%
CMY	0.6942, 0.1686, 0.9569
CMYK	0.63, 0.00, 0.95, 0.17
HSL	100°, 90%, 44%
HSV	100°, 95%, 83%
XYZ	26.7450, 48.7308, 8.3117
YIQ	149.0200, -15.3430, -90.9190

Conversions

Conversions Part 2

Format	Color
RYB	11, 212, 145
Decimal	5166091
CIELab	75.28, -65.82, 72.54
CIElCh	75, 97.952, 132.217
Yxy	48.7308, 0.3192, 0.5816
Android (android.graphics.Color)	4283356171 (0xFF4ED40B)
YUV	149.0200, -68.0439, -62.2845
Hunter-Lab	69.8074, -53.7753, 41.8058

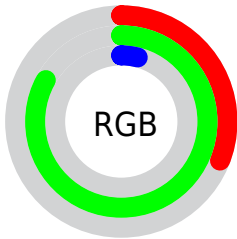
Details

The Yxy color **48.7308, 0.3192, 0.5816** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **11.0122, 0.2420, 0.1125**, and the grayscale version is **30.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0478, 0.3290, 0.5261**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.4165, 0.3166, 0.5868**, and if you desaturate by 10%, it is **49.4764, 0.3240, 0.5677**.

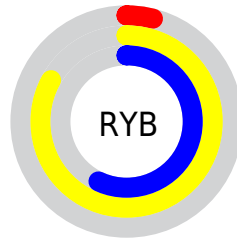
Distribution



Red (31%)

Green (83%)

Blue (4%)



Red (4%)

Yellow (83%)

Blue (57%)

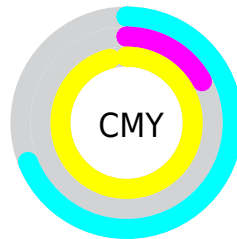


Cyan (63%)

Magenta (0%)

Yellow (95%)

Black (17%)



Cyan (69%)


Magenta (17%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7308, 0.3192, 0.5816 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 48.7308, 0.3192, 0.5816 by changing the saturation by 10% instead.


 48.7308, 0.3192,
0.5816


 48.7308, 0.3192,
0.5816

381.6816, 0.3284,
0.4498


 34.4060, 0.3121,
0.6130


 88.2915, 0.3260,
0.5341


 23.2057, 0.3002,
0.6510


 114.2962, 0.3275,
0.5160


 14.7454, 0.2816,
0.7000


 144.9629, 0.3284,
0.5006

 8.6409, 0.2476,
0.7524

 180.6761, 0.3288,
0.4875

 4.5077, 0.1921,
0.8079

 221.8202, 0.3289,
0.4761

 1.9614, 0.0007,
0.9993

 268.7796, 0.3288,

 0.5849, 0.0000,

0.4662

1.0000

321.9385, 0.3286,
0.4575

■ 0.0000, 0.0000,
0.0000

■ 48.7308, 0.3192,
0.5816

■ 48.7308, 0.3192,
0.5816

■ 48.4165, 0.3166,
0.5868

■ 49.4764, 0.3240,
0.5677

■ 50.4300, 0.3274,
0.5472

■ 51.6129, 0.3292,
0.5211

■ 53.0416, 0.3293,
0.4912

■ 54.7309, 0.3281,
0.4594

■ 56.6944, 0.3256,
0.4273

■ 58.9445, 0.3224,
0.3963

■ 61.4928, 0.3187,
0.3674

■ 64.3503, 0.3147,
0.3408

Harmonies

Analogous

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



48.7308, 0.4313, 0.5338



48.7308, 0.3192, 0.5816



48.7308, 0.2110, 0.4999

Triad

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



48.7308, 0.3192, 0.5816



48.7308, 0.1219, 0.1626



48.7308, 0.5161, 0.2825

Complementary

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



48.7308, 0.3192, 0.5816



11.0122, 0.2420, 0.1125

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.



48.7308, 0.3882, 0.2158



48.7308, 0.3192, 0.5816



48.7308, 0.1670, 0.1506

Square

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



48.7308, 0.3192, 0.5816



48.7308, 0.1116, 0.2164



48.7308, 0.2559, 0.1693



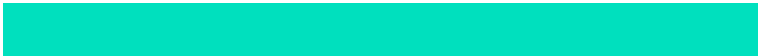
48.7308, 0.5653, 0.3580

Rectangle

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



48.7308, 0.3192, 0.5816



48.7308, 0.1567, 0.3888



48.7308, 0.2559, 0.1693



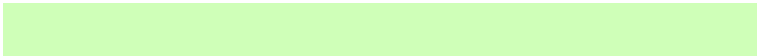
48.7308, 0.4791, 0.2589

Sweetspot

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



48.7329, 0.3192, 0.5816



88.2870, 0.3236, 0.4069



34.2720, 0.4876, 0.4476



18.5808, 0.3250, 0.4205



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.



48.7329, 0.3192, 0.5816



73.4513, 0.3159, 0.5874



47.3460, 0.2952, 0.5789



14.0950, 0.3165, 0.3527



29.9376, 0.3175, 0.5861



1.8503, 0.3311, 0.5753

Inverse Universe

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



11.0122, 0.2420, 0.1125



15.7661, 0.2368, 0.1078



17.4713, 0.3656, 0.1806



12.4157, 0.3085, 0.3056



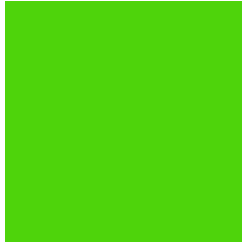
6.5053, 0.2388, 0.1089



0.4368, 0.2533, 0.1169

Previews

White Background



This preview shows how the Yxy color 48.7308, 0.3192, 0.5816 looks on a white background.

Color Contrast Check

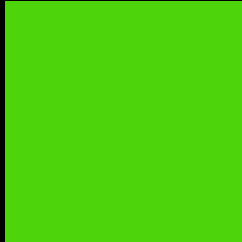
Large Text (above 18pt) WCAG AA × Fail

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 48.7308, 0.3192, 0.5816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

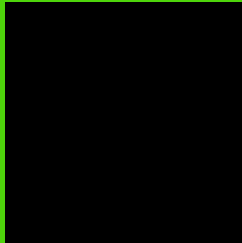
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

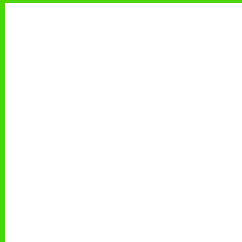
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7308, 0.3192, 0.5816

Background



This preview shows how black text looks on a background with the Yxy color 48.7308, 0.3192, 0.5816.



This preview shows how white text looks on a background with the Yxy color 48.7308, 0.3192, 0.5816.

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

48.7308, 0.3192, 0.5816

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

47.4583, 0.4617, 0.4510



Tritanopia

48.3814, 0.2477, 0.3069

Trichromacy



Original Color

48.7308, 0.3192, 0.5816



Protanomaly

46.0659, 0.3882, 0.5289



Deuteranomaly

45.1902, 0.4020, 0.5055



Tritanomaly

46.9593, 0.2835, 0.4249

Monochromacy



Original Color

48.7308, 0.3192, 0.5816



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.6169, 0.3271, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7308, 0.3192, 0.5816 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(78, 212, 11)` looks like.

```
.text, #text, p{  
    color:rgb(78, 212, 11)  
}
```

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(78, 212, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 212, 11) }
```

Border

The CSS property to change the border of an element to Yxy 48.7308, 0.3192, 0.5816 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(78, 212, 11) }
```

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

```
.border{ border-color:rgb(78, 212, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 212, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 212, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 212, 11);  
box-shadow:4px 4px 4px 4px rgb(78, 212,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7308, 0.3192, 0.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 212, 11) }
```

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

```
.background{ background-color: rgb(78, 212,  
11) }
```

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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