

Converting Colors

Yxy(48.8249, 0.3145, 0.5661)

Have a look what the booklet for
Yxy(48.8249, 0.3145, 0.5661)
contains.

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Color

Yxy(48.8811, 0.3143, 0.5665)

Conversions

Conversions Part 1

Format	Color
Hex	4ED42B
RGB	78, 212, 43
RGB Percent	31%, 83%, 17%
CMY	0.6942, 0.1686, 0.8316
CMYK	0.63, 0.00, 0.80, 0.17
HSL	108°, 66%, 50%
HSV	108°, 80%, 83%
XYZ	27.1197, 48.8811, 10.2853
YIQ	152.6680, -25.6150, -80.9670

Conversions

Conversions Part 2

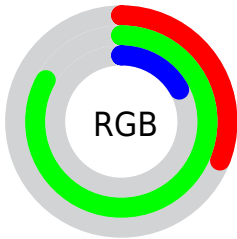
Format	Color
RYB	43, 212, 177
Decimal	5166123
CIELab	75.38, -64.70, 66.46
CIELCh	75, 92.753, 134.230
Yxy	48.8811, 0.3143, 0.5665
Android (android.graphics.Color)	4283356203 (0xFF4ED42B)
YUV	152.6680, -54.0663, -65.4838
Hunter-Lab	69.9150, -53.1119, 40.2183

Details

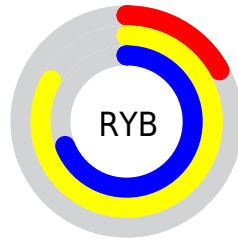
The Yxy color **48.8811, 0.3143, 0.5665** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.8208, 0.2796, 0.1433**, and the grayscale version is **31.9480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2501, 0.3227, 0.5116**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1448, 0.3107, 0.5839**, and if you desaturate by 10%, it is **49.8837, 0.3170, 0.5421**.

Distribution



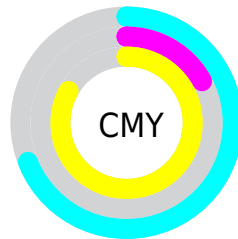
- Red (31%)
- Green (83%)
- Blue (17%)



- Red (17%)
- Yellow (83%)
- Blue (69%)



- Cyan (63%)
- Magenta (0%)
- Yellow (80%)
- Black (17%)





- Cyan (69%)
- Magenta (17%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8811, 0.3143, 0.5665 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 48.8811, 0.3143, 0.5665 by changing the saturation by 10% instead.

 48.8811, 0.3143,
0.5665


 48.8811, 0.3143,
0.5665


382.2740, 0.3238,
0.4415

 34.5252, 0.3079,
0.5973


 88.5148, 0.3206,
0.5208


 23.2973, 0.2974,
0.6353

 114.5614, 0.3221,
0.5036

 14.8132, 0.2796,
0.6824


 145.2737, 0.3230,
0.4891

 8.6884, 0.2521,
0.7479

 181.0361, 0.3236,
0.4767

 4.5385, 0.1974,
0.8026

 222.2329, 0.3238,
0.4660

 1.9791, 0.0192,
0.9808


 269.2485, 0.3239,


 0.5953, 0.0000,


0.4568

1.0000

322.4675, 0.3239,
0.4486


 0.0000, 0.0000,
0.0000


 48.8811, 0.3143,
0.5665


 48.8811, 0.3143,
0.5665

 48.1448, 0.3107,
0.5839


 49.8837, 0.3170,
0.5421

 47.6350, 0.3070,
0.5943

 51.1700, 0.3187,
0.5124

 47.6242, 0.3069,
0.5945

 52.7628, 0.3194,
0.4796

 54.6810, 0.3191,
0.4458

 56.9417, 0.3181,
0.4129

■ 59.5609, 0.3166,
0.3820

■ 62.5536, 0.3147,
0.3537

■ 65.9337, 0.3127,
0.3284

■ 69.7147, 0.3105,
0.3060

Harmonies

Analogous

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



48.8811, 0.4225, 0.5316



48.8811, 0.3143, 0.5665



48.8811, 0.2109, 0.4796

Triad

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



48.8811, 0.3143, 0.5665



48.8811, 0.1307, 0.1676



48.8811, 0.5116, 0.2905

Complementary

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



48.8811, 0.3143, 0.5665



15.8208, 0.2796, 0.1433

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.



48.8811, 0.3939, 0.2245



48.8811, 0.3143, 0.5665



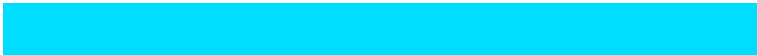
48.8811, 0.1774, 0.1576

Square

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



48.8811, 0.3143, 0.5665



48.8811, 0.1186, 0.2173



48.8811, 0.2664, 0.1776



48.8811, 0.5537, 0.3649

Rectangle

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



48.8811, 0.3143, 0.5665



48.8811, 0.1599, 0.3756



48.8811, 0.2664, 0.1776



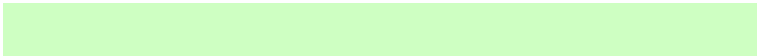
48.8811, 0.4782, 0.2672

Sweetspot

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



48.8832, 0.3143, 0.5665



88.5973, 0.3173, 0.3956



44.9787, 0.4447, 0.4653



18.6626, 0.3179, 0.4069



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.



48.8832, 0.3143, 0.5665



72.5325, 0.3079, 0.5917



48.3551, 0.2854, 0.5223



14.0187, 0.3147, 0.3529



29.4337, 0.3076, 0.5940



1.8113, 0.3193, 0.5847

Inverse Universe

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



15.8208, 0.2796, 0.1433



20.3158, 0.2701, 0.1272



18.4060, 0.3857, 0.2045



12.4967, 0.3105, 0.3058



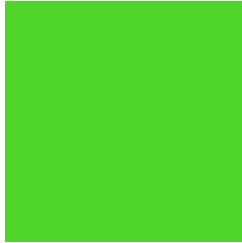
8.1219, 0.2692, 0.1257



0.5233, 0.2786, 0.1309

Previews

White Background



This preview shows how the Yxy color 48.8811, 0.3143, 0.5665 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 48.8811, 0.3143, 0.5665 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 48.8811, 0.3143, 0.5665

Background



This preview shows how black text looks on a background with the Yxy color 48.8811, 0.3143, 0.5665.



This preview shows how white text looks on a background with the Yxy color 48.8811, 0.3143, 0.5665.

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

48.8811, 0.3143, 0.5665

Protanopia

48.0907, 0.4333, 0.4802

Deuteranopia

47.8199, 0.4532, 0.4440



Tritanopia

48.3140, 0.2472, 0.3068

Trichromacy



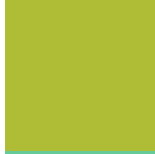
Original Color

48.8811, 0.3143, 0.5665



Protanomaly

46.6503, 0.3814, 0.5175



Deuteranomaly

45.3467, 0.3949, 0.4929



Tritanomaly

47.2421, 0.2764, 0.4072

Monochromacy



Original Color

48.8811, 0.3143, 0.5665



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.9000, 0.3190, 0.4286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8811, 0.3143, 0.5665 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(78, 212, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 212, 43) }
```

Border

The CSS property to change the border of an element to Yxy 48.8811, 0.3143, 0.5665 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, 43) }
```

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

```
.border{ border-color:rgb(78, 212, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 212, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 212, 43);  
box-shadow:4px 4px 4px 4px rgb(78, 212,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8811, 0.3143, 0.5665 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, 43) }
```

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

```
.background{ background-color: rgb(78, 212,  
43) }
```

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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