

Converting Colors

$Yxy(50.4919, 0.4685, 0.4588)$

Have a look what the booklet for
Yxy(50.4919, 0.4685, 0.4588)
contains.

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Color

Yxy(50.4919, 0.4685, 0.4588)

Conversions

Conversions Part 1

Format	Color
Hex	EEB31A
RGB	238, 179, 26
RGB Percent	93%, 70%, 10%
CMY	0.0668, 0.2980, 0.8983
CMYK	0.00, 0.25, 0.89, 0.07
HSL	43°, 86%, 52%
HSV	43°, 89%, 93%
XYZ	51.5594, 50.4919, 8.0008
YIQ	179.1990, 84.2770, -35.0750

Conversions

Conversions Part 2

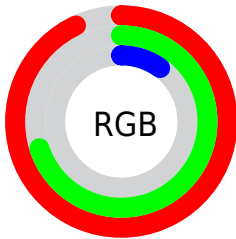
Format	Color
RYB	108, 238, 26
Decimal	15643418
CIELab	76.37, 9.63, 75.49
CIELCh	76, 76.101, 82.728
Yxy	50.4919, 0.4685, 0.4588
Android (android.graphics.Color)	4293833498 (0xFFEEB31A)
YUV	179.1990, -75.5271, 51.5685
Hunter-Lab	71.0577, 5.1686, 43.0646

Details

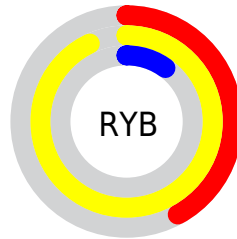
The Yxy color **50.4919, 0.4685, 0.4588** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **12.8684, 0.1670, 0.1126**, and the grayscale version is **45.5648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8610, 0.4144, 0.4618**, and **24.5259, 0.4796, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **47.8356, 0.4790, 0.4574**, and if you desaturate by 10%, it is **53.3646, 0.4550, 0.4555**.

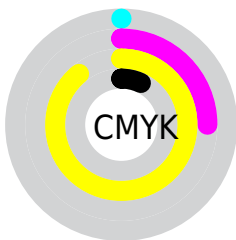
Distribution



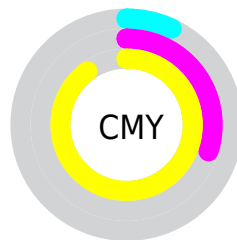
- Red (93%)
- Green (70%)
- Blue (10%)



- Red (42%)
- Yellow (93%)
- Blue (10%)



- Cyan (0%)
- Magenta (25%)
- Yellow (89%)
- Black (7%)





- Cyan (7%)
- Magenta (30%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4919, 0.4685, 0.4588 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 50.4919, 0.4685, 0.4588 by changing the saturation by 10% instead.

 50.4919, 0.4685,
0.4588


 50.4919, 0.4685,
0.4588

388.5865, 0.4002,
0.4059

 35.8044, 0.4809,
0.4669


 90.9033, 0.4470,
0.4433

 24.2832, 0.4939,
0.4743


 117.3959, 0.4378,
0.4363

 15.5438, 0.5087,
0.4816


 148.5924, 0.4297,
0.4300

 9.2019, 0.5186,
0.4814

 184.8772, 0.4225,
0.4242

 4.8731, 0.5258,
0.4742

 226.6346, 0.4160,
0.4189

 2.1730, 0.5373,
0.4627

 274.2490, 0.4101,

 0.7052, 0.5626,

0.4142

0.4374

328.1048, 0.4049,
0.4098

■ 0.0000, 0.0000,
0.0000

■ 50.4919, 0.4685,
0.4588

■ 50.4919, 0.4685,
0.4588

■ 47.8356, 0.4790,
0.4574

■ 53.3646, 0.4550,
0.4555

■ 47.6056, 0.4799,
0.4572

■ 56.4702, 0.4387,
0.4474

■ 59.8275, 0.4204,
0.4350

■ 63.4504, 0.4009,
0.4194

■ 67.3513, 0.3813,
0.4017

■ 71.5415, 0.3621,
0.3829

■ 76.0315, 0.3438,
0.3639

■ 80.8309, 0.3269,
0.3453

■ 85.9488, 0.3114,
0.3274

Harmonies

Analogous

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



50.4919, 0.5118, 0.3877



50.4919, 0.4685, 0.4588



50.4919, 0.3881, 0.5140

Triad

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



50.4919, 0.4685, 0.4588



50.4919, 0.1590, 0.2993



50.4919, 0.3036, 0.2089

Complementary

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



50.4919, 0.4685, 0.4588



12.8684, 0.1670, 0.1126

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.



50.4919, 0.2166, 0.1841



50.4919, 0.4685, 0.4588



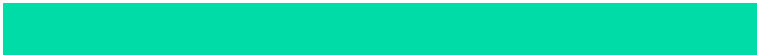
50.4919, 0.1454, 0.2212

Square

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



50.4919, 0.4685, 0.4588



50.4919, 0.2100, 0.4151



50.4919, 0.1645, 0.1862



50.4919, 0.4104, 0.2565

Rectangle

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



50.4919, 0.4685, 0.4588



50.4919, 0.3256, 0.5197



50.4919, 0.1645, 0.1862



50.4919, 0.2711, 0.1978

Sweetspot

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



50.4944, 0.4685, 0.4588



84.7206, 0.3583, 0.3791



19.5801, 0.5526, 0.2901



17.7606, 0.3648, 0.3856



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.



50.4944, 0.4685, 0.4588



55.5837, 0.4801, 0.4570



72.4185, 0.3829, 0.5282



17.6727, 0.3275, 0.3460



26.7942, 0.4787, 0.4581



2.3953, 0.4691, 0.4658

Inverse Universe

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



12.8684, 0.1670, 0.1126



11.7134, 0.1588, 0.0916



8.2797, 0.1706, 0.0765



15.9441, 0.2980, 0.3114



5.8156, 0.1597, 0.0948



0.6453, 0.1667, 0.1201

Previews

White Background



This preview shows how the Yxy color 50.4919, 0.4685, 0.4588 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 50.4919, 0.4685, 0.4588 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 50.4919, 0.4685, 0.4588

Background



This preview shows how black text looks on a background with the Yxy color 50.4919, 0.4685, 0.4588.



This preview shows how white text looks on a background with the Yxy color 50.4919, 0.4685, 0.4588.

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

50.4919, 0.4685, 0.4588

Protanopia

50.6300, 0.4367, 0.4822

Deuteranopia

50.4919, 0.4685, 0.4588



Tritanopia

50.4849, 0.3755, 0.3162

Trichromacy



Original Color

50.4919, 0.4685, 0.4588

Protanomaly

50.3114, 0.4486, 0.4733

Deuteranomaly

50.4919, 0.4685, 0.4588

Tritanomaly

49.6106, 0.4235, 0.3813

Monochromacy



Original Color

50.4919, 0.4685, 0.4588

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9496, 0.3791, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.4919, 0.4685, 0.4588 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(238, 179, 26)` looks like.

```
.text, #text, p{  
    color:rgb(238, 179, 26)  
}
```

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(238, 179, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 179, 26) }
```

Border

The CSS property to change the border of an element to Yxy 50.4919, 0.4685, 0.4588 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(238, 179, 26) }
```

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

```
.border{ border-color:rgb(238, 179, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 179, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 179, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 179, 26);  
box-shadow:4px 4px 4px 4px rgb(238, 179,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 50.4919, 0.4685, 0.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 179, 26) }
```

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

```
.background{ background-color: rgb(238,  
179, 26) }
```

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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