

Converting Colors

$Yxy(50.5845, 0.4639, 0.4503)$

Have a look what the booklet for
Yxy(50.5845, 0.4639, 0.4503)
contains.

| | |
|--|----|
| Yxy(50.3888, 0.4645, 0.4500) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(50.3888, 0.4645, 0.4500)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EFB22E |
| RGB | 239, 178, 46 |
| RGB Percent | 94%, 70%, 18% |
| CMY | 0.0627, 0.3019, 0.8194 |
| CMYK | 0.00, 0.26, 0.81, 0.06 |
| HSL | 41°, 86%, 56% |
| HSV | 41°, 81%, 94% |
| XYZ | 52.0124, 50.3888, 9.5739 |
| YIQ | 181.1910, 78.7280, -28.1200 |

Conversions

Conversions Part 2

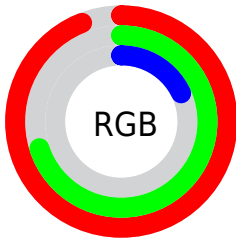
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 135, 239, 46 |
| Decimal | 15708718 |
| CIE Lab | 76.31, 11.10, 70.22 |
| CIE LCh | 76, 71.087, 81.021 |
| Yxy | 50.3888, 0.4645, 0.4500 |
| Android (android.graphics.Color) | 4293898798 (0xFFEFB22E) |
| YUV | 181.1910, -66.6492, 50.6985 |
| Hunter-Lab | 70.9851, 6.5673, 41.6930 |

Details

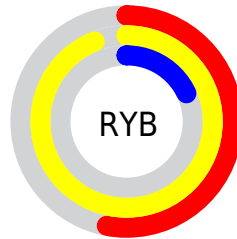
The Yxy color **50.3888, 0.4645, 0.4500** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **17.3403, 0.1784, 0.1408**, and the grayscale version is **46.6575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5171, 0.4094, 0.4527**, and **24.3867, 0.4821, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **47.3275, 0.4791, 0.4517**, and if you desaturate by 10%, it is **53.7255, 0.4470, 0.4433**.

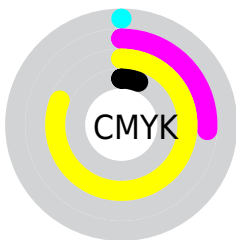
Distribution



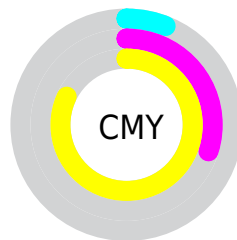
- Red (94%)
- Green (70%)
- Blue (18%)



- Red (53%)
- Yellow (94%)
- Blue (18%)



- Cyan (0%)
- Magenta (26%)
- Yellow (81%)
- Black (6%)





- Cyan (6%)
- Magenta (30%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3888, 0.4645, 0.4500 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 50.3888, 0.4645, 0.4500 by changing the saturation by 10% instead.


 50.3888, 0.4645,
0.4500


 50.3888, 0.4645,
0.4500


388.1844, 0.3963,
0.3998

 35.7224, 0.4776,
0.4581


 90.7507, 0.4425,
0.4349


 24.2199, 0.4918,
0.4659


 117.2150, 0.4333,
0.4283

 15.4968, 0.5070,
0.4725


 148.3807, 0.4252,
0.4223

 9.1688, 0.5233,
0.4767

 184.6322, 0.4181,
0.4168

 4.8515, 0.5316,
0.4684

 226.3540, 0.4117,
0.4119

 2.1604, 0.5447,
0.4553

 273.9303, 0.4060,

 0.6983, 0.5733,

0.4075

0.4267

327.7457, 0.4009,
0.4035

■ 0.0000, 0.0000,
0.0000

■ 50.3888, 0.4645,
0.4500

■ 50.3888, 0.4645,
0.4500

■ 47.3275, 0.4791,
0.4517

■ 53.7255, 0.4470,
0.4433

■ 44.7044, 0.4900,
0.4491


■ 57.3480, 0.4274,
0.4322


■ 61.2739, 0.4068,
0.4177


■ 65.5168, 0.3861,
0.4011

■ 70.0892, 0.3660,
0.3832

 75.0023, 0.3471,
0.3651

 80.2670, 0.3297,
0.3473

 85.8932, 0.3138,
0.3302

 91.4878, 0.3030,
0.3201

Harmonies

Analogous

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



50.3888, 0.5010, 0.3830



50.3888, 0.4645, 0.4500



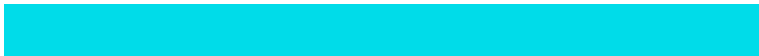
50.3888, 0.3906, 0.5012

Triad

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



50.3888, 0.4645, 0.4500



50.3888, 0.1692, 0.3077



50.3888, 0.2992, 0.2131

Complementary

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



50.3888, 0.4645, 0.4500



17.3403, 0.1784, 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.



50.3888, 0.2184, 0.1907



50.3888, 0.4645, 0.4500



50.3888, 0.1536, 0.2311

Square

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



50.3888, 0.4645, 0.4500



50.3888, 0.2205, 0.4154



50.3888, 0.1701, 0.1948



50.3888, 0.3988, 0.2577

Rectangle

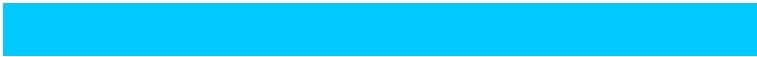
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.3888, 0.4645, 0.4500



50.3888, 0.3317, 0.5073



50.3888, 0.1701, 0.1948



50.3888, 0.2690, 0.2029

Sweetspot

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



50.3913, 0.4645, 0.4500



84.9367, 0.3533, 0.3712



21.3742, 0.5121, 0.2790



17.7448, 0.3601, 0.3777



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.



50.3913, 0.4645, 0.4500



52.6426, 0.4869, 0.4500



74.7191, 0.3875, 0.5155



17.5670, 0.3276, 0.3451



24.9493, 0.4886, 0.4502



2.2533, 0.4772, 0.4593

Inverse Universe

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



17.3403, 0.1784, 0.1408



13.9008, 0.1632, 0.1057



9.9582, 0.1777, 0.0885



16.0442, 0.2980, 0.3124



6.4745, 0.1621, 0.1037



0.7106, 0.1694, 0.1296

Previews

White Background



This preview shows how the Yxy color 50.3888, 0.4645, 0.4500 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 50.3888, 0.4645, 0.4500 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 50.3888, 0.4645, 0.4500

Background



This preview shows how black text looks on a background with the Yxy color 50.3888, 0.4645, 0.4500.



This preview shows how white text looks on a background with the Yxy color 50.3888, 0.4645, 0.4500.

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

50.3888, 0.4645, 0.4500

Protanopia

50.6140, 0.4299, 0.4740

Deuteranopia

50.4420, 0.4619, 0.4521



Tritanopia

50.3013, 0.3767, 0.3151

Trichromacy



Original Color

50.3888, 0.4645, 0.4500

Protanomaly

50.4409, 0.4427, 0.4651

Deuteranomaly

50.6146, 0.4627, 0.4515

Tritanomaly

49.6212, 0.4178, 0.3717

Monochromacy



Original Color

50.3888, 0.4645, 0.4500

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.8650, 0.3730, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3888, 0.4645, 0.4500 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(239, 178, 46)` looks like.

```
.text, #text, p{  
    color:rgb(239, 178, 46)  
}
```

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(239, 178, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 178, 46) }
```

Border

The CSS property to change the border of an element to Yxy 50.3888, 0.4645, 0.4500 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(239, 178, 46) }
```

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

```
.border{ border-color:rgb(239, 178, 46) }
```

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

Here you see how a box with a 4 pixel rgb(239, 178, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 178, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 178, 46);  
box-shadow:4px 4px 4px 4px rgb(239, 178,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3888, 0.4645, 0.4500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 178, 46) }
```

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

```
.background{ background-color: rgb(239,  
178, 46) }
```

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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