

Converting Colors

$Yxy(48.0916, 0.4578, 0.4466)$

Have a look what the booklet for
Yxy(48.0916, 0.4578, 0.4466)
contains.

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Color

Yxy(48.0916, 0.4578, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	E8AF37
RGB	232, 175, 55
RGB Percent	91%, 69%, 22%
CMY	0.0902, 0.3137, 0.7844
CMYK	0.00, 0.25, 0.76, 0.09
HSL	41°, 79%, 56%
HSV	41°, 76%, 91%
XYZ	49.2977, 48.0916, 10.2946
YIQ	178.3630, 72.4920, -25.2360

Conversions

Conversions Part 2

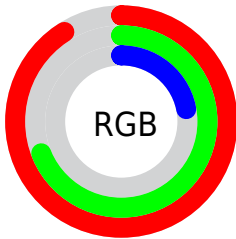
Format	Color
R_{YB}	139, 232, 55
Decimal	15249207
CIE _{Lab}	74.88, 9.99, 65.58
CIE _{LCh}	75, 66.338, 81.336
Yxy	48.0916, 0.4578, 0.4466
Android (android.graphics.Color)	4293439287 (0xFFE8AF37)
YUV	178.3630, -60.8180, 47.0396
Hunter-Lab	69.3481, 5.5315, 39.7422

Details

The Yxy color **48.0916, 0.4578, 0.4466** 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 **18.2177, 0.1845, 0.1533**, and the grayscale version is **45.0230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9794, 0.4076, 0.4449**, and **22.9366, 0.4801, 0.4570** is the 20% darker color. If you saturate the color by 10%, you get **45.0938, 0.4741, 0.4505**, and if you desaturate by 10%, it is **51.3594, 0.4390, 0.4379**.

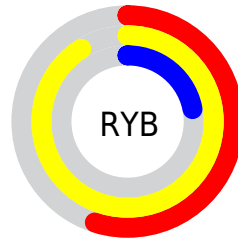
Distribution



Red (91%)

Green (69%)

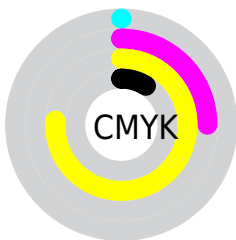
Blue (22%)



Red (55%)

Yellow (91%)

Blue (22%)

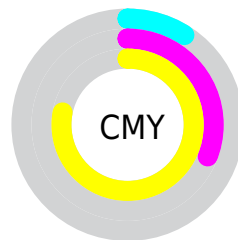


Cyan (0%)

Magenta (25%)

Yellow (76%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0916, 0.4578, 0.4466 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 48.0916, 0.4578, 0.4466 by changing the saturation by 10% instead.

 48.0916, 0.4578,
0.4466


 48.0916, 0.4578,
0.4466


379.1551, 0.3913,
0.3962

 33.8994, 0.4710,
0.4553


 87.3408, 0.4359,
0.4310


 22.8164, 0.4857,
0.4640


 113.1666, 0.4270,
0.4243


 14.4580, 0.5015,
0.4716


 143.6390, 0.4191,
0.4183

 8.4399, 0.5207,
0.4793

 179.1425, 0.4122,
0.4129

 4.3777, 0.5286,
0.4714

 220.0615, 0.4060,
0.4081

 1.8870, 0.5415,
0.4585

266.7803, 0.4006,

 0.5405, 0.5836,

0.4037

0.4164

319.6834, 0.3957,
0.3998

■ 0.0000, 0.0000,
0.0000

■ 48.0916, 0.4578,
0.4466

■ 48.0916, 0.4578,
0.4466

■ 45.0938, 0.4741,
0.4505

■ 51.3594, 0.4390,
0.4379

■ 42.3401, 0.4871,
0.4492


■ 54.9057, 0.4186,
0.4253


■ 41.3747, 0.4914,
0.4480

■ 58.7462, 0.3977,
0.4098


■ 62.8932, 0.3771,
0.3926

■ 67.3579, 0.3575,
0.3747

 72.1508, 0.3392,
0.3569

 77.2815, 0.3225,
0.3395

 82.7595, 0.3073,
0.3230

 88.0155, 0.2987,
0.3162

Harmonies

Analogous

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



48.0916, 0.4921, 0.3829



48.0916, 0.4578, 0.4466



48.0916, 0.3874, 0.4933

Triad

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



48.0916, 0.4578, 0.4466



48.0916, 0.1752, 0.3085



48.0916, 0.3011, 0.2183

Complementary

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



48.0916, 0.4578, 0.4466



18.2177, 0.1845, 0.1533

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.



48.0916, 0.2235, 0.1965



48.0916, 0.4578, 0.4466



48.0916, 0.1601, 0.2356

Square

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



48.0916, 0.4578, 0.4466



48.0916, 0.2246, 0.4095



48.0916, 0.1764, 0.2005



48.0916, 0.3956, 0.2616

Rectangle

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



48.0916, 0.4578, 0.4466



48.0916, 0.3310, 0.4972



48.0916, 0.1764, 0.2005



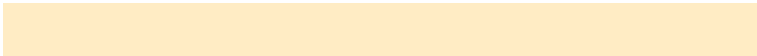
48.0916, 0.2722, 0.2084

Sweetspot

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



48.0940, 0.4578, 0.4466



85.3206, 0.3515, 0.3690



21.0998, 0.4907, 0.2748



17.8121, 0.3583, 0.3755



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.



48.0940, 0.4578, 0.4466



53.7422, 0.4825, 0.4503



70.6141, 0.3886, 0.5079



15.9938, 0.3275, 0.3449



23.2073, 0.4900, 0.4492



1.8814, 0.4771, 0.4594

Inverse Universe

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



18.2177, 0.1845, 0.1533



15.7253, 0.1672, 0.1167



10.4626, 0.1827, 0.0974



14.6409, 0.2981, 0.3126



6.2070, 0.1626, 0.1055



0.6221, 0.1707, 0.1346

Previews

White Background



This preview shows how the Yxy color 48.0916, 0.4578, 0.4466 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 48.0916, 0.4578, 0.4466 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 48.0916, 0.4578, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 48.0916, 0.4578, 0.4466.



This preview shows how white text looks on a background with the Yxy color 48.0916, 0.4578, 0.4466.

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

48.0916, 0.4578, 0.4466

Protanopia

48.2688, 0.4252, 0.4681

Deuteranopia

47.9247, 0.4569, 0.4471



Tritanopia

48.2108, 0.3738, 0.3159

Trichromacy



Original Color

48.0916, 0.4578, 0.4466

Protanomaly

47.9421, 0.4372, 0.4599

Deuteranomaly

47.9247, 0.4569, 0.4471

Tritanomaly

47.6757, 0.4116, 0.3696

Monochromacy



Original Color

48.0916, 0.4578, 0.4466

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1435, 0.3696, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0916, 0.4578, 0.4466 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(232, 175, 55)` looks like.

```
.text, #text, p{  
    color:rgb(232, 175, 55)  
}
```

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(232, 175, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 175, 55) }
```

Border

The CSS property to change the border of an element to Yxy 48.0916, 0.4578, 0.4466 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(232, 175, 55) }
```

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

```
.border{ border-color:rgb(232, 175, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 175, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 175, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 175, 55);  
box-shadow:4px 4px 4px 4px rgb(232, 175,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0916, 0.4578, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 175, 55) }
```

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

```
.background{ background-color: rgb(232,  
175, 55) }
```

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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