

Converting Colors

$Yxy(45.8647, 0.4528, 0.4243)$

Have a look what the booklet for
Yxy(45.8647, 0.4528, 0.4243)
contains.

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Color

Yxy(45.8647, 0.4528, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	E9A84D
RGB	233, 168, 77
RGB Percent	91%, 66%, 30%
CMY	0.0863, 0.3411, 0.6982
CMYK	0.00, 0.28, 0.67, 0.09
HSL	35°, 78%, 61%
HSV	35°, 67%, 91%
XYZ	48.9454, 45.8647, 13.2849
YIQ	177.0610, 67.9510, -14.5210

Conversions

Conversions Part 2

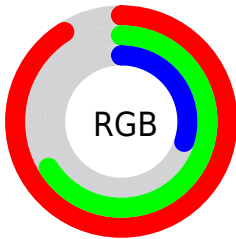
Format	Color
RYB	188, 233, 77
Decimal	15312973
CIELab	73.46, 15.18, 55.04
CIElCh	73, 57.095, 74.585
Yxy	45.8647, 0.4528, 0.4243
Android (android.graphics.Color)	4293503053 (0xFFE9A84D)
YUV	177.0610, -49.3301, 49.0585
Hunter-Lab	67.7235, 10.4902, 35.7759

Details

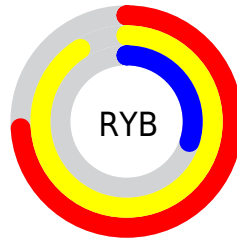
The Yxy color **45.8647, 0.4528, 0.4243** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **26.7888, 0.2031, 0.1984**, and the grayscale version is **44.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6203, 0.4004, 0.4229**, and **21.4369, 0.4846, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **42.1442, 0.4758, 0.4309**, and if you desaturate by 10%, it is **49.9750, 0.4287, 0.4137**.

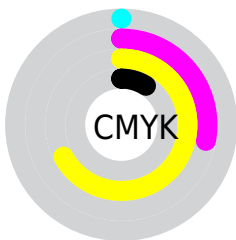
Distribution



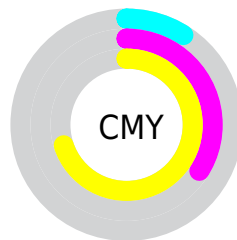
- Red (91%)
- Green (66%)
- Blue (30%)



- Red (74%)
- Yellow (91%)
- Blue (30%)



- Cyan (0%)
- Magenta (28%)
- Yellow (67%)
- Black (9%)



- Cyan (9%)
- Magenta (34%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8647, 0.4528, 0.4243 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 45.8647, 0.4528, 0.4243 by changing the saturation by 10% instead.

 45.8647, 0.4528,
0.4243


 45.8647, 0.4528,
0.4243


370.2644, 0.3857,
0.3828


 32.1391, 0.4675,
0.4319


 84.0165, 0.4297,
0.4112


 21.4677, 0.4848,
0.4397


 109.2114, 0.4206,
0.4056


 13.4663, 0.5048,
0.4469


 138.9982, 0.4128,
0.4007

 7.7504, 0.5329,
0.4562

 173.7613, 0.4059,
0.3963

 3.9357, 0.5512,
0.4488

 213.8851, 0.3999,
0.3923

 1.6376, 0.5715,
0.4285

259.7539, 0.3946,

 0.3828, 0.6573,

0.3888

0.3427

311.7523, 0.3899,
0.3856

0.0000, 0.0000,
0.0000

45.8647, 0.4528,
0.4243

45.8647, 0.4528,
0.4243

42.1442, 0.4758,
0.4309

49.9750, 0.4287,
0.4137

38.7875, 0.4964,
0.4324

54.4852, 0.4047,
0.4004

35.7739, 0.5134,
0.4285

59.4130, 0.3817,
0.3854

34.9201, 0.5182,
0.4267

64.7727, 0.3604,
0.3697

70.5777, 0.3410,
0.3541

■ 76.8406, 0.3237,
0.3390

■ 83.5734, 0.3082,
0.3248

■ 90.2380, 0.2993,
0.3196

■ 96.0638, 0.2993,
0.3290

Harmonies

Analogous

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



45.8647, 0.4711, 0.3669



45.8647, 0.4528, 0.4243



45.8647, 0.3971, 0.4682

Triad

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



45.8647, 0.4528, 0.4243



45.8647, 0.1979, 0.3311



45.8647, 0.2857, 0.2234

Complementary

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



45.8647, 0.4528, 0.4243



26.7888, 0.2031, 0.1984

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.



45.8647, 0.2215, 0.2088



45.8647, 0.4528, 0.4243



45.8647, 0.1764, 0.2592

Square

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



45.8647, 0.4528, 0.4243



45.8647, 0.2498, 0.4172



45.8647, 0.1847, 0.2192



45.8647, 0.3673, 0.2590

Rectangle

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



45.8647, 0.4528, 0.4243



45.8647, 0.3484, 0.4770



45.8647, 0.1847, 0.2192



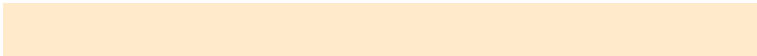
45.8647, 0.2616, 0.2160

Sweetspot

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



45.8670, 0.4528, 0.4243



84.3280, 0.3469, 0.3589



24.5770, 0.4382, 0.2618



17.6174, 0.3523, 0.3634



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.



45.8670, 0.4528, 0.4243



50.2617, 0.4832, 0.4320



74.0287, 0.3943, 0.4865



16.5144, 0.3278, 0.3427



20.0646, 0.5162, 0.4283



1.7648, 0.4992, 0.4419

Inverse Universe

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



26.7888, 0.2031, 0.1984



25.5222, 0.1859, 0.1681



13.3557, 0.1901, 0.1177



15.5797, 0.2980, 0.3149



8.4257, 0.1699, 0.1314



0.8476, 0.1774, 0.1586

Previews

White Background



This preview shows how the Yxy color 45.8647, 0.4528, 0.4243 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 45.8647, 0.4528, 0.4243 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 45.8647, 0.4528, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 45.8647, 0.4528, 0.4243.



This preview shows how white text looks on a background with the Yxy color 45.8647, 0.4528, 0.4243.

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

45.8647, 0.4528, 0.4243

Protanopia

46.0593, 0.4102, 0.4489

Deuteranopia

45.8741, 0.4419, 0.4332



Tritanopia

45.8813, 0.3815, 0.3158

Trichromacy



Original Color

45.8647, 0.4528, 0.4243

Protanomaly

45.7760, 0.4259, 0.4390

Deuteranomaly

45.9785, 0.4455, 0.4308

Tritanomaly

45.6228, 0.4109, 0.3585

Monochromacy



Original Color

45.8647, 0.4528, 0.4243

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.0655, 0.3627, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8647, 0.4528, 0.4243 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(233, 168, 77)` looks like.

```
.text, #text, p{  
    color:rgb(233, 168, 77)  
}
```

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(233, 168, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 168, 77) }
```

Border

The CSS property to change the border of an element to Yxy 45.8647, 0.4528, 0.4243 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(233, 168, 77) }
```

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

```
.border{ border-color:rgb(233, 168, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 168, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 168, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 168, 77);  
box-shadow:4px 4px 4px 4px rgb(233, 168,  
77) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 45.8647, 0.4528, 0.4243$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 168, 77) }
```

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

```
.background{ background-color: rgb(233,  
168, 77) }
```

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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