

Converting Colors

$Y_{xy}(45.6069, 0.4575, 0.4267)$

Have a look what the booklet for
Yxy(45.6069, 0.4575, 0.4267)
contains.

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Color

Yxy(45.5977, 0.4577, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	EAA748
RGB	234, 167, 72
RGB Percent	92%, 65%, 28%
CMY	0.0825, 0.3450, 0.7177
CMYK	0.00, 0.29, 0.69, 0.08
HSL	35°, 79%, 60%
HSV	35°, 69%, 92%
XYZ	48.9104, 45.5977, 12.3532
YIQ	176.2030, 70.4270, -15.3410

Conversions

Conversions Part 2

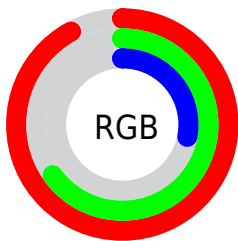
Format	Color
RYB	186, 234, 72
Decimal	15378248
CIELab	73.28, 15.83, 57.12
CIELCh	73, 59.270, 74.509
Yxy	45.5977, 0.4577, 0.4267
Android (android.graphics.Color)	4293568328 (0xFFEAA748)
YUV	176.2030, -51.3721, 50.6880
Hunter-Lab	67.5261, 11.1203, 36.4218

Details

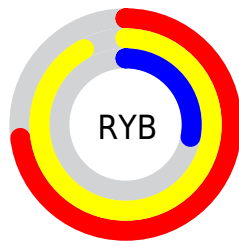
The Yxy color **45.5977, 0.4577, 0.4267** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.7614, 0.1997, 0.1924**, and the grayscale version is **43.7738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9832, 0.4034, 0.4256**, and **21.2918, 0.4906, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **41.9385, 0.4801, 0.4323**, and if you desaturate by 10%, it is **49.6424, 0.4338, 0.4169**.

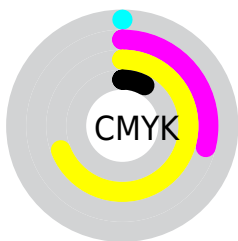
Distribution



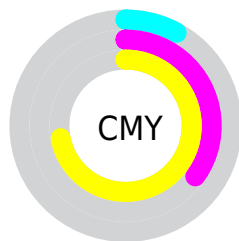
- Red (92%)
- Green (65%)
- Blue (28%)



- Red (73%)
- Yellow (92%)
- Blue (28%)



- Cyan (0%)
- Magenta (29%)
- Yellow (69%)
- Black (8%)




- Cyan (8%)
- Magenta (35%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5977, 0.4577, 0.4267 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 45.5977, 0.4577, 0.4267 by changing the saturation by 10% instead.


 45.5977, 0.4577,
0.4267


 45.5977, 0.4577,
0.4267

369.1889, 0.3885,
0.3846


 31.9285, 0.4726,
0.4341


 83.6166, 0.4341,
0.4136


 21.3069, 0.4901,
0.4416


 108.7351, 0.4247,
0.4080


 13.3485, 0.5100,
0.4481


 138.4387, 0.4166,
0.4029

 7.6690, 0.5405,
0.4584

 173.1120, 0.4095,
0.3985

 3.8839, 0.5541,
0.4459

 213.1392, 0.4033,
0.3944

 1.6088, 0.5753,
0.4247

258.9049, 0.3978,

 0.3635, 0.6682,

0.3908

0.3318

310.7933, 0.3929,
0.3876

0.0000, 0.0000,
0.0000

45.5977, 0.4577,
0.4267

45.5977, 0.4577,
0.4267

41.9385, 0.4801,
0.4323

49.6424, 0.4338,
0.4169

38.6384, 0.4998,
0.4326

54.0833, 0.4098,
0.4039


35.6717, 0.5161,
0.4279

58.9384, 0.3867,
0.3892


35.4540, 0.5173,
0.4275


64.2221, 0.3650,
0.3735

69.9481, 0.3452,
0.3578

 76.1293, 0.3274,
0.3425

 82.7778, 0.3116,
0.3279

 89.6340, 0.2999,
0.3184

 95.6183, 0.2999,
0.3280

Harmonies

Analogous

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



45.5977, 0.4772, 0.3672



45.5977, 0.4577, 0.4267



45.5977, 0.3997, 0.4732

Triad

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



45.5977, 0.4577, 0.4267



45.5977, 0.1938, 0.3310



45.5977, 0.2843, 0.2199

Complementary

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



45.5977, 0.4577, 0.4267



25.7614, 0.1997, 0.1924

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.



45.5977, 0.2181, 0.2049



45.5977, 0.4577, 0.4267



45.5977, 0.1719, 0.2564

Square

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



45.5977, 0.4577, 0.4267



45.5977, 0.2473, 0.4214



45.5977, 0.1804, 0.2153



45.5977, 0.3691, 0.2564

Rectangle

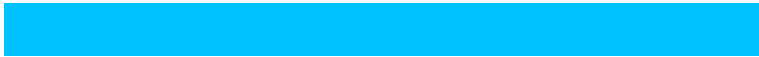
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5977, 0.4577, 0.4267



45.5977, 0.3493, 0.4833



45.5977, 0.1804, 0.2153



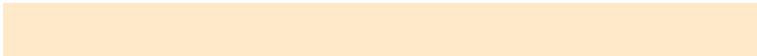
45.5977, 0.2593, 0.2123

Sweetspot

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



45.6000, 0.4577, 0.4267



83.7020, 0.3488, 0.3607



23.9981, 0.4448, 0.2608



17.4966, 0.3542, 0.3650



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.



45.6000, 0.4577, 0.4267



49.2691, 0.4887, 0.4331



74.5789, 0.3959, 0.4901



16.5228, 0.3278, 0.3428



20.1846, 0.5153, 0.4290



1.7739, 0.4984, 0.4424

Inverse Universe

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



25.7614, 0.1997, 0.1924



23.9254, 0.1824, 0.1607



12.5270, 0.1861, 0.1112



15.5715, 0.2980, 0.3148



8.3465, 0.1696, 0.1305



0.8410, 0.1771, 0.1577

Previews

White Background



This preview shows how the Yxy color 45.5977, 0.4577, 0.4267 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 45.5977, 0.4577, 0.4267 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 45.5977, 0.4577, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 45.5977, 0.4577, 0.4267.



This preview shows how white text looks on a background with the Yxy color 45.5977, 0.4577, 0.4267.

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

45.5977, 0.4577, 0.4267

Protanopia

45.9871, 0.4133, 0.4535

Deuteranopia

45.4280, 0.4459, 0.4362



Tritanopia

45.6793, 0.3838, 0.3159

Trichromacy



Original Color

45.5977, 0.4577, 0.4267

Protanomaly

45.7048, 0.4291, 0.4434

Deuteranomaly

45.6984, 0.4504, 0.4332

Tritanomaly

45.3881, 0.4143, 0.3595

Monochromacy



Original Color

45.5977, 0.4577, 0.4267

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.5924, 0.3657, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5977, 0.4577, 0.4267 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(234, 167, 72)` looks like.

```
.text, #text, p{  
    color:rgb(234, 167, 72)  
}
```

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(234, 167, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 167, 72) }
```

Border

The CSS property to change the border of an element to Yxy 45.5977, 0.4577, 0.4267 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(234, 167, 72) }
```

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

```
.border{ border-color:rgb(234, 167, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 167, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 167, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 167, 72);  
box-shadow:4px 4px 4px 4px rgb(234, 167,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5977, 0.4577, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 167, 72) }
```

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

```
.background{ background-color: rgb(234,  
167, 72) }
```

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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