

Converting Colors

$Y_{xy}(45.6577, 0.4202, 0.3904)$

Have a look what the booklet for
Yxy(45.6577, 0.4202, 0.3904)
contains.

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Color

Yxy(45.8782, 0.4204, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	E5A872
RGB	229, 168, 114
RGB Percent	90%, 66%, 45%
CMY	0.1019, 0.3412, 0.5531
CMYK	0.00, 0.27, 0.50, 0.10
HSL	28°, 69%, 67%
HSV	28°, 50%, 90%
XYZ	49.3531, 45.8782, 22.1643
YIQ	180.0830, 53.6900, -3.8620

Conversions

Conversions Part 2

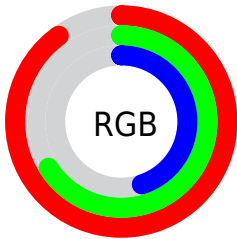
Format	Color
R _Y B	229, 216, 114
Decimal	15050866
CIE Lab	73.47, 16.25, 36.60
CIE LCh	73, 40.046, 66.063
Yxy	45.8782, 0.4204, 0.3908
Android (android.graphics.Color)	4293240946 (0xFFE5A872)
YUV	180.0830, -32.5789, 42.9002
Hunter-Lab	67.7334, 11.5282, 28.0121

Details

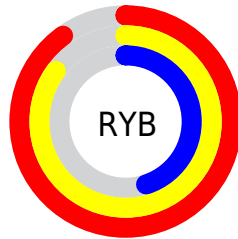
The Yxy color **45.8782, 0.4204, 0.3908** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.8816, 0.2331, 0.2553**, and the grayscale version is **45.8455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8254, 0.3751, 0.3863**, and **21.5304, 0.4492, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **41.1460, 0.4488, 0.4009**, and if you desaturate by 10%, it is **51.1641, 0.3938, 0.3789**.

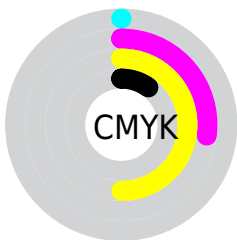
Distribution



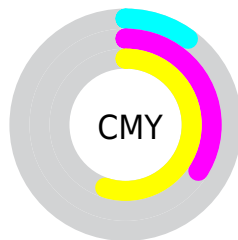
- Red (90%)
- Green (66%)
- Blue (45%)



- Red (90%)
- Yellow (85%)
- Blue (45%)



- Cyan (0%)
- Magenta (27%)
- Yellow (50%)
- Black (10%)





- Cyan (10%)
- Magenta (34%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8782, 0.4204, 0.3908 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 45.8782, 0.4204, 0.3908 by changing the saturation by 10% instead.


 45.8782, 0.4204,
0.3908

 45.8782, 0.4204,
0.3908

370.3188, 0.3668,
0.3626


 32.1497, 0.4333,
0.3967


 84.0367, 0.4012,
0.3813

 21.4759, 0.4494,
0.4035


 109.2355, 0.3939,
0.3775

 13.4723, 0.4699,
0.4111


 139.0265, 0.3877,
0.3742

 7.7546, 0.4963,
0.4189

 173.7941, 0.3823,
0.3713

 3.9383, 0.5391,
0.4314

213.9228, 0.3777,
0.3687

 1.6391, 0.5770,
0.4230

259.7968, 0.3736,

 0.3838, 0.6649,

0.3665

0.3351

311.8007, 0.3700,
0.3644

0.0000, 0.0000,
0.0000

45.8782, 0.4204,
0.3908

45.8782, 0.4204,
0.3908

41.1460, 0.4488,
0.4009

51.1641, 0.3938,
0.3789

36.9396, 0.4780,
0.4078

57.0170, 0.3697,
0.3662

33.2378, 0.5061,
0.4104

63.4577, 0.3482,
0.3534

30.0148, 0.5311,
0.4076

70.5039, 0.3294,
0.3410

27.2936, 0.5517,
0.4001

78.1725, 0.3131,
0.3293

■ 86.4797, 0.2989,
0.3183

■ 94.1365, 0.2970,
0.3270

■ 95.3990, 0.2970,
0.3290

Harmonies

Analogous

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



45.8782, 0.4214, 0.3481



45.8782, 0.4204, 0.3908



45.8782, 0.3890, 0.4230

Triad

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



45.8782, 0.4204, 0.3908



45.8782, 0.2391, 0.3489



45.8782, 0.2794, 0.2461

Complementary

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



45.8782, 0.4204, 0.3908



39.8816, 0.2331, 0.2553

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.



45.8782, 0.2366, 0.2409



45.8782, 0.4204, 0.3908



45.8782, 0.2150, 0.2942

Square

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



45.8782, 0.4204, 0.3908



45.8782, 0.2836, 0.4025



45.8782, 0.2143, 0.2566



45.8782, 0.3356, 0.2690

Rectangle

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



45.8782, 0.4204, 0.3908



45.8782, 0.3566, 0.4316



45.8782, 0.2143, 0.2566



45.8782, 0.2632, 0.2422

Sweetspot

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



45.8804, 0.4204, 0.3908



85.5114, 0.3382, 0.3470



31.7947, 0.3769, 0.2599



17.8981, 0.3423, 0.3496



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.



45.8804, 0.4204, 0.3908



52.4403, 0.4492, 0.4010



71.8166, 0.3880, 0.4471



15.4787, 0.3281, 0.3401



15.8409, 0.5492, 0.4021



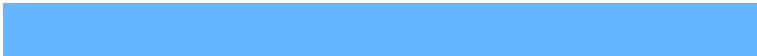
1.3553, 0.5254, 0.4211

Inverse Universe

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



39.8816, 0.2331, 0.2553



43.9664, 0.2184, 0.2371



22.1438, 0.2174, 0.1749



15.1461, 0.2981, 0.3177



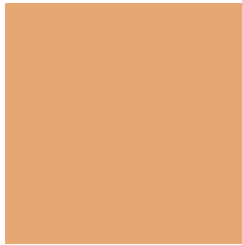
11.3568, 0.1801, 0.1684



1.0249, 0.1871, 0.1936

Previews

White Background



This preview shows how the Yxy color 45.8782, 0.4204, 0.3908 looks on a white background.

Color Contrast Check

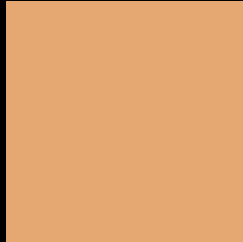
Large Text (above 18pt) WCAG AA × Fail

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 45.8782, 0.4204, 0.3908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

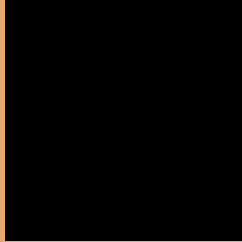
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8782, 0.4204, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 45.8782, 0.4204, 0.3908.



This preview shows how white text looks on a background with the Yxy color 45.8782, 0.4204, 0.3908.

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

45.8782, 0.4204, 0.3908

Protanopia

46.1154, 0.3777, 0.4087

Deuteranopia

45.9848, 0.4078, 0.4004



Tritanopia

45.9993, 0.3719, 0.3156

Trichromacy



Original Color

45.8782, 0.4204, 0.3908

Protanomaly

45.7449, 0.3932, 0.4020

Deuteranomaly

45.8477, 0.4128, 0.3970

Tritanomaly

45.9737, 0.3896, 0.3430

Monochromacy



Original Color

45.8782, 0.4204, 0.3908

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4567, 0.3497, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8782, 0.4204, 0.3908 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(229, 168, 114)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 114)  
}
```

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(229, 168, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 114) }
```

Border

The CSS property to change the border of an element to Yxy 45.8782, 0.4204, 0.3908 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(229, 168, 114) }
```

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

```
.border{ border-color:rgb(229, 168, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 168, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 114);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8782, 0.4204, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 114) }
```

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

```
.background{ background-color: rgb(229,  
168, 114) }
```

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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