

Converting Colors

$Y_{xy}(45.0028, 0.4435, 0.4053)$

Have a look what the booklet for
Yxy(45.0028, 0.4435, 0.4053)
contains.

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Color

Yxy(45.2108, 0.4438, 0.4061)

Conversions

Conversions Part 1

Format	Color
Hex	EAA55E
RGB	234, 165, 94
RGB Percent	92%, 65%, 37%
CMY	0.0823, 0.3529, 0.6314
CMYK	0.00, 0.29, 0.60, 0.08
HSL	30°, 77%, 64%
HSV	30°, 60%, 92%
XYZ	49.4079, 45.2108, 16.7105
YIQ	177.5370, 63.9150, -7.4530

Conversions

Conversions Part 2

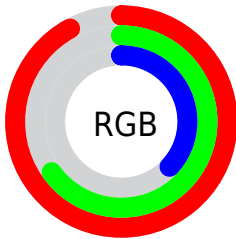
Format	Color
R _Y B	230, 234, 94
Decimal	15377758
CIE Lab	73.03, 18.28, 46.42
CIE LCh	73, 49.889, 68.511
Yxy	45.2108, 0.4438, 0.4061
Android (android.graphics.Color)	4293567838 (0xFFEAA55E)
YUV	177.5370, -41.1837, 49.5181
Hunter-Lab	67.2390, 13.4955, 32.3323

Details

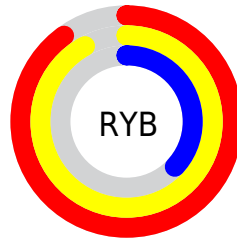
The Yxy color **45.2108, 0.4438, 0.4061** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **34.5124, 0.2173, 0.2303**, and the grayscale version is **44.4608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5217, 0.3907, 0.4043**, and **21.1061, 0.4776, 0.4193** is the 20% darker color. If you saturate the color by 10%, you get **40.8802, 0.4712, 0.4140**, and if you desaturate by 10%, it is **50.0483, 0.4168, 0.3951**.

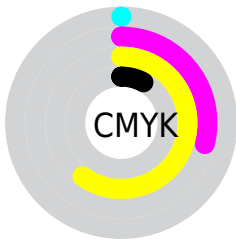
Distribution



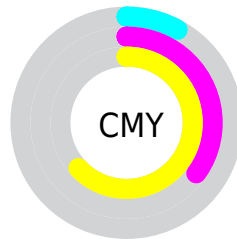
- Red (92%)
- Green (65%)
- Blue (37%)



- Red (90%)
- Yellow (92%)
- Blue (37%)



- Cyan (0%)
- Magenta (29%)
- Yellow (60%)
- Black (8%)





- Cyan (8%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2108, 0.4438, 0.4061 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 45.2108, 0.4438, 0.4061 by changing the saturation by 10% instead.


 45.2108, 0.4438,
0.4061

 45.2108, 0.4438,
0.4061


367.6266, 0.3794,
0.3721

 31.6235, 0.4587,
0.4126


 83.0366, 0.4211,
0.3951


 21.0741, 0.4768,
0.4195


 108.0440, 0.4124,
0.3906

 13.1782, 0.4990,
0.4263


 137.6268, 0.4048,
0.3866

 7.5513, 0.5262,
0.4317

 172.1695, 0.3984,
0.3830

 3.8092, 0.5643,
0.4357

212.0564, 0.3927,
0.3798

 1.5674, 0.5886,
0.4114

257.6720, 0.3877,

 0.3355, 0.6951,

0.3770

0.3049

309.4006, 0.3833,
0.3744

0.0000, 0.0000,
0.0000

45.2108, 0.4438,
0.4061

45.2108, 0.4438,
0.4061

40.8802, 0.4712,
0.4140

50.0483, 0.4168,
0.3951

37.0281, 0.4975,
0.4176

55.4060, 0.3913,
0.3822

33.6322, 0.5209,
0.4158

61.3045, 0.3680,
0.3686

30.6581, 0.5405,
0.4089

67.7613, 0.3471,
0.3548

30.6111, 0.5408,
0.4088

74.7927, 0.3286,
0.3414

■ 82.4146, 0.3125,
0.3288

■ 90.4602, 0.2999,
0.3197

■ 96.2330, 0.2999,
0.3290

Harmonies

Analogous

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



45.2108, 0.4502, 0.3542



45.2108, 0.4438, 0.4061



45.2108, 0.4009, 0.4471

Triad

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



45.2108, 0.4438, 0.4061



45.2108, 0.2182, 0.3469



45.2108, 0.2760, 0.2299

Complementary

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



45.2108, 0.4438, 0.4061



34.5124, 0.2173, 0.2303

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.



45.2108, 0.2227, 0.2213



45.2108, 0.4438, 0.4061



45.2108, 0.1923, 0.2792

Square

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



45.2108, 0.4438, 0.4061



45.2108, 0.2701, 0.4184



45.2108, 0.1943, 0.2366



45.2108, 0.3464, 0.2588

Rectangle

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



45.2108, 0.4438, 0.4061



45.2108, 0.3596, 0.4584



45.2108, 0.1943, 0.2366



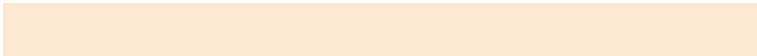
45.2108, 0.2557, 0.2246

Sweetspot

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



45.2130, 0.4438, 0.4061



83.7956, 0.3437, 0.3524



28.1779, 0.4020, 0.2538



17.4218, 0.3494, 0.3564



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.



45.2130, 0.4438, 0.4061



48.4569, 0.4780, 0.4154



77.1487, 0.3973, 0.4688



16.3169, 0.3280, 0.3410



17.4538, 0.5384, 0.4107



1.5631, 0.5175, 0.4273

Inverse Universe

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



34.5124, 0.2173, 0.2303



34.3737, 0.2006, 0.2053



16.3247, 0.1963, 0.1365



15.7749, 0.2981, 0.3167



10.5205, 0.1766, 0.1556



1.0183, 0.1836, 0.1809

Previews

White Background



This preview shows how the Yxy color 45.2108, 0.4438, 0.4061 looks on a white background.

Color Contrast Check

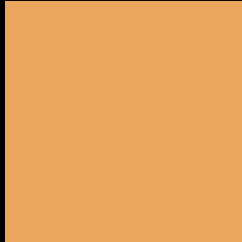
Large Text (above 18pt) WCAG AA × Fail

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 45.2108, 0.4438, 0.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

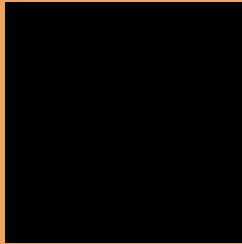
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2108, 0.4438, 0.4061

Background



This preview shows how black text looks on a background with the Yxy color 45.2108, 0.4438, 0.4061.



This preview shows how white text looks on a background with the Yxy color 45.2108, 0.4438, 0.4061.

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

45.2108, 0.4438, 0.4061

Protanopia

45.5491, 0.3957, 0.4305

Deuteranopia

45.2883, 0.4280, 0.4182



Tritanopia

45.1294, 0.3842, 0.3158

Trichromacy



Original Color

45.2108, 0.4438, 0.4061

Protanomaly

45.3719, 0.4128, 0.4222

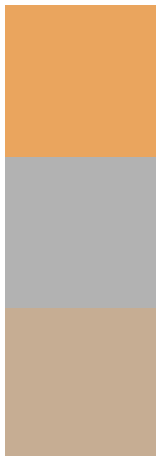
Deuteranomaly

45.3350, 0.4342, 0.4142

Tritanomaly

44.8965, 0.4084, 0.3495

Monochromacy



Original Color

45.2108, 0.4438, 0.4061

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.9995, 0.3586, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2108, 0.4438, 0.4061 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, 165, 94)` looks like.

```
.text, #text, p{  
    color:rgb(234, 165, 94)  
}
```

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, 165, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 165, 94) }
```

Border

The CSS property to change the border of an element to Yxy 45.2108, 0.4438, 0.4061 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, 165, 94) }
```

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

```
.border{ border-color:rgb(234, 165, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 165, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 165, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 165, 94);  
box-shadow:4px 4px 4px 4px rgb(234, 165,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2108, 0.4438, 0.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 165, 94) }
```

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

```
.background{ background-color: rgb(234,  
165, 94) }
```

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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