

Converting Colors

$Y_{xy}(45.6723, 0.4108, 0.3755)$

Have a look what the booklet for
Yxy(45.6723, 0.4108, 0.3755)
contains.

Yxy(45.6018, 0.4117, 0.3752)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6018, 0.4117, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	E6A67E
RGB	230, 166, 126
RGB Percent	90%, 65%, 49%
CMY	0.0980, 0.3490, 0.5059
CMYK	0.00, 0.28, 0.45, 0.10
HSL	23°, 68%, 70%
HSV	23°, 45%, 90%
XYZ	50.0380, 45.6018, 25.9002
YIQ	180.5760, 50.9840, 1.1280

Conversions

Conversions Part 2

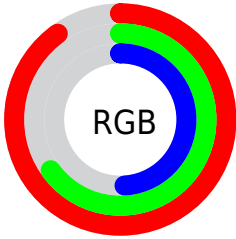
Format	Color
R_{YB}	230, 191, 126
Decimal	15115902
CIE _{Lab}	73.29, 18.87, 30.02
CIE _{LCh}	73, 35.462, 57.842
Yxy	45.6018, 0.4117, 0.3752
Android (android.graphics.Color)	4293305982 (0xFFE6A67E)
YUV	180.5760, -26.9060, 43.3448
Hunter-Lab	67.5291, 14.0898, 24.5302

Details

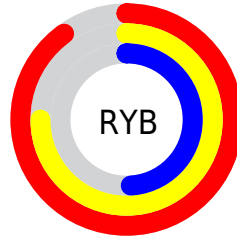
The Yxy color **45.6018, 0.4117, 0.3752** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.9780, 0.2429, 0.2763**, and the grayscale version is **46.0960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2276, 0.3672, 0.3721**, and **21.3271, 0.4398, 0.3854** is the 20% darker color. If you saturate the color by 10%, you get **40.2108, 0.4423, 0.3842**, and if you desaturate by 10%, it is **51.7001, 0.3841, 0.3650**.

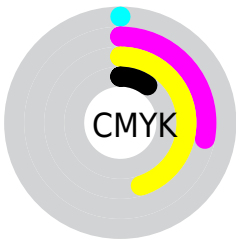
Distribution



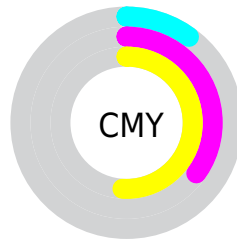
- Red (90%)
- Green (65%)
- Blue (49%)



- Red (90%)
- Yellow (75%)
- Blue (49%)



- Cyan (0%)
- Magenta (28%)
- Yellow (45%)
- Black (10%)





- Cyan (10%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6018, 0.4117, 0.3752 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 45.6018, 0.4117, 0.3752 by changing the saturation by 10% instead.

 45.6018, 0.4117,
0.3752


 45.6018, 0.4117,
0.3752


369.2054, 0.3619,
0.3542

 31.9317, 0.4240,
0.3796


 83.6227, 0.3937,
0.3682

 21.3093, 0.4395,
0.3847


 108.7424, 0.3869,
0.3653

 13.3503, 0.4597,
0.3905


 138.4473, 0.3811,
0.3629

 7.6702, 0.4866,
0.3966

173.1220, 0.3762,
0.3607

 3.8847, 0.5247,
0.4020

213.1507, 0.3719,
0.3588

 1.6093, 0.5908,
0.4092

258.9179, 0.3682,

 0.3638, 0.6891,

0.3571

0.3109

310.8080, 0.3649,
0.3556

0.0000, 0.0000,
0.0000

45.6018, 0.4117,
0.3752

45.6018, 0.4117,
0.3752

40.2108, 0.4423,
0.3842

51.7001, 0.3841,
0.3650

35.4928, 0.4751,
0.3909

58.5252, 0.3599,
0.3544

31.4200, 0.5082,
0.3940

66.1037, 0.3390,
0.3439

27.9596, 0.5392,
0.3923

74.4590, 0.3210,
0.3340

25.0748, 0.5654,
0.3852

83.6134, 0.3057,
0.3246

■ 23.8816, 0.5763,
0.3806

■ 92.9947, 0.2975,
0.3249

■ 95.5652, 0.2976,
0.3290

Harmonies

Analogous

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



45.6018, 0.4040, 0.3360



45.6018, 0.4117, 0.3752



45.6018, 0.3909, 0.4070

Triad

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



45.6018, 0.4117, 0.3752



45.6018, 0.2566, 0.3607



45.6018, 0.2712, 0.2514

Complementary

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



45.6018, 0.4117, 0.3752



46.9780, 0.2429, 0.2763

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.



45.6018, 0.2371, 0.2520



45.6018, 0.4117, 0.3752



45.6018, 0.2290, 0.3109

Square

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



45.6018, 0.4117, 0.3752



45.6018, 0.3003, 0.4032



45.6018, 0.2224, 0.2721



45.6018, 0.3191, 0.2680

Rectangle

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



45.6018, 0.4117, 0.3752



45.6018, 0.3649, 0.4183



45.6018, 0.2224, 0.2721



45.6018, 0.2579, 0.2496

Sweetspot

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



45.6040, 0.4117, 0.3752



84.6856, 0.3368, 0.3427



35.4687, 0.3582, 0.2572



17.6586, 0.3410, 0.3450



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.



45.6040, 0.4117, 0.3752



51.3992, 0.4394, 0.3835



68.4107, 0.3851, 0.4288



15.2722, 0.3283, 0.3381



13.7381, 0.5735, 0.3828



1.1907, 0.5464, 0.4044

Inverse Universe

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



46.9780, 0.2429, 0.2763



53.2816, 0.2302, 0.2634



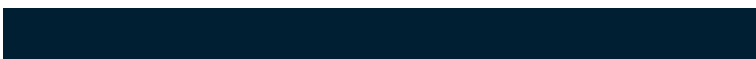
28.3626, 0.2301, 0.2040



15.3565, 0.2981, 0.3197



14.3531, 0.1884, 0.1982



1.2392, 0.1943, 0.2193

Previews

White Background



This preview shows how the Yxy color 45.6018, 0.4117, 0.3752 looks on a white background.

Color Contrast Check

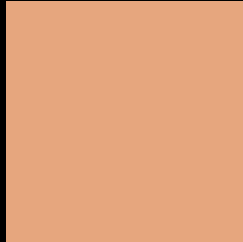
Large Text (above 18pt) WCAG AA × Fail

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 45.6018, 0.4117, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

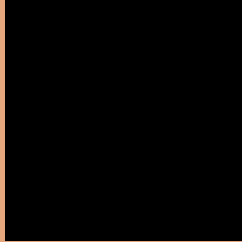
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6018, 0.4117, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 45.6018, 0.4117, 0.3752.



This preview shows how white text looks on a background with the Yxy color 45.6018, 0.4117, 0.3752.

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

45.6018, 0.4117, 0.3752

Protanopia

45.7778, 0.3655, 0.3915

Deuteranopia

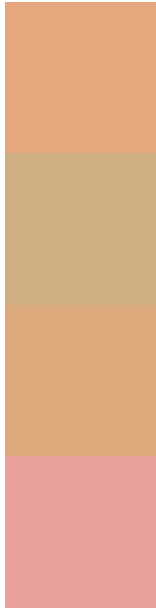
45.8149, 0.3946, 0.3874



Tritanopia

45.6126, 0.3732, 0.3155

Trichromacy



Original Color

45.6018, 0.4117, 0.3752

Protanomaly

45.5370, 0.3816, 0.3854

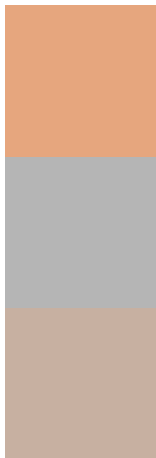
Deuteranomaly

45.4458, 0.4009, 0.3829

Tritanomaly

45.5309, 0.3884, 0.3372

Monochromacy



Original Color

45.6018, 0.4117, 0.3752

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7660, 0.3463, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6018, 0.4117, 0.3752 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(230, 166, 126)` looks like.

```
.text, #text, p{  
    color:rgb(230, 166, 126)  
}
```

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(230, 166, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 166, 126) }
```

Border

The CSS property to change the border of an element to Yxy 45.6018, 0.4117, 0.3752 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(230, 166, 126) }
```

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

```
.border{ border-color:rgb(230, 166, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 166, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 166, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 166, 126); box-shadow:4px 4px 4px 4px rgb(230, 166, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6018, 0.4117, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 166, 126) }
```

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

```
.background{ background-color: rgb(230,  
166, 126) }
```

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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