

Converting Colors

$Y_{xy}(45.8989, 0.4121, 0.3753)$

Have a look what the booklet for
Yxy(45.8989, 0.4121, 0.3753)
contains.

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Color

Yxy(45.7677, 0.4126, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	E7A67E
RGB	231, 166, 126
RGB Percent	91%, 65%, 49%
CMY	0.0941, 0.3490, 0.5058
CMYK	0.00, 0.28, 0.45, 0.09
HSL	23°, 69%, 70%
HSV	23°, 45%, 91%
XYZ	50.3567, 45.7677, 25.9228
YIQ	180.8750, 51.5800, 1.3400

Conversions

Conversions Part 2

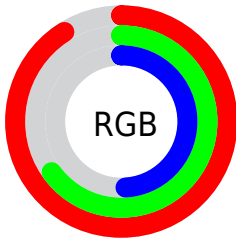
Format	Color
R _Y B	231, 191, 126
Decimal	15181438
CIE Lab	73.39, 19.26, 30.17
CIE LCh	73, 35.797, 57.443
Yxy	45.7677, 0.4126, 0.3750
Android (android.graphics.Color)	4293371518 (0xFFE7A67E)
YUV	180.8750, -27.0534, 43.9596
Hunter-Lab	67.6518, 14.4759, 24.6375

Details

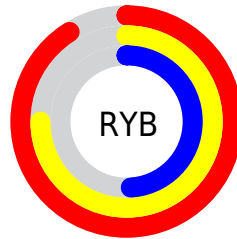
The Yxy color **45.7677, 0.4126, 0.3750** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.4684, 0.2426, 0.2765**, and the grayscale version is **46.2671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2276, 0.3672, 0.3721**, and **21.4407, 0.4410, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **40.3274, 0.4434, 0.3839**, and if you desaturate by 10%, it is **51.9282, 0.3849, 0.3649**.

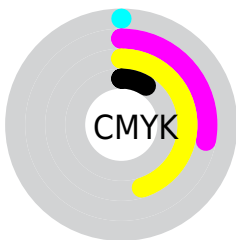
Distribution



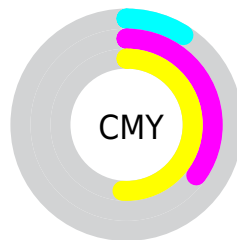
- Red (91%)
- Green (65%)
- Blue (49%)



- Red (91%)
- Yellow (75%)
- Blue (49%)



- Cyan (0%)
- Magenta (28%)
- Yellow (45%)
- Black (9%)



- Cyan (9%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7677, 0.4126, 0.3750 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 45.7677, 0.4126, 0.3750 by changing the saturation by 10% instead.


 45.7677, 0.4126,
0.3750


 45.7677, 0.4126,
0.3750


369.8739, 0.3624,
0.3542


 32.0625, 0.4249,
0.3794


 83.8712, 0.3944,
0.3680

 21.4093, 0.4406,
0.3844


 109.0384, 0.3876,
0.3652

 13.4235, 0.4609,
0.3901


 138.7950, 0.3818,
0.3628

 7.7208, 0.4880,
0.3959

173.5255, 0.3768,
0.3606

 3.9168, 0.5262,
0.4011

213.6143, 0.3725,
0.3587

 1.6271, 0.5924,
0.4076

259.4457, 0.3687,

 0.3758, 0.6877,

0.3570

0.3123

311.4041, 0.3654,
0.3555

0.0000, 0.0000,
0.0000

45.7677, 0.4126,
0.3750

45.7677, 0.4126,
0.3750

40.3274, 0.4434,
0.3839

51.9282, 0.3849,
0.3649

35.5721, 0.4764,
0.3905

58.8290, 0.3605,
0.3544

31.4735, 0.5097,
0.3933

66.4973, 0.3394,
0.3440

27.9979, 0.5408,
0.3914

74.9571, 0.3214,
0.3341

25.1074, 0.5670,
0.3841

84.2311, 0.3060,
0.3249

■ 23.9674, 0.5774,
0.3797

■ 93.7065, 0.2981,
0.3258

■ 95.7281, 0.2982,
0.3290

Harmonies

Analogous

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



45.7677, 0.4044, 0.3355



45.7677, 0.4126, 0.3750



45.7677, 0.3919, 0.4072

Triad

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



45.7677, 0.4126, 0.3750



45.7677, 0.2567, 0.3617



45.7677, 0.2703, 0.2507

Complementary

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



45.7677, 0.4126, 0.3750



47.4684, 0.2426, 0.2765

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.



45.7677, 0.2362, 0.2516



45.7677, 0.4126, 0.3750



45.7677, 0.2286, 0.3114

Square

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



45.7677, 0.4126, 0.3750



45.7677, 0.3009, 0.4043



45.7677, 0.2217, 0.2720



45.7677, 0.3185, 0.2672

Rectangle

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



45.7677, 0.4126, 0.3750



45.7677, 0.3659, 0.4190



45.7677, 0.2217, 0.2720



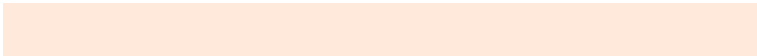
45.7677, 0.2569, 0.2489

Sweetspot

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



45.7699, 0.4126, 0.3750



84.6116, 0.3368, 0.3426



35.7415, 0.3567, 0.2550



17.6407, 0.3410, 0.3448



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.



45.7699, 0.4126, 0.3750



50.5635, 0.4429, 0.3838



68.1194, 0.3863, 0.4276



15.2634, 0.3283, 0.3380



13.6585, 0.5745, 0.3820



1.1842, 0.5473, 0.4037

Inverse Universe

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



47.4684, 0.2426, 0.2765



52.8879, 0.2290, 0.2626



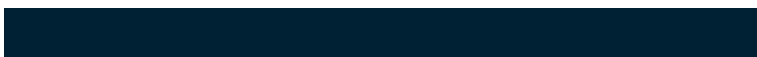
28.9655, 0.2301, 0.2056



15.3656, 0.2981, 0.3198



14.4944, 0.1887, 0.1995



1.2491, 0.1946, 0.2204

Previews

White Background



This preview shows how the Yxy color 45.7677, 0.4126, 0.3750 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 45.7677, 0.4126, 0.3750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

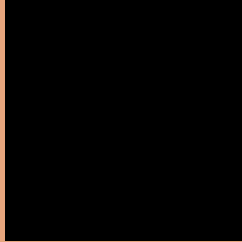
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7677, 0.4126, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 45.7677, 0.4126, 0.3750.



This preview shows how white text looks on a background with the Yxy color 45.7677, 0.4126, 0.3750.

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

45.7677, 0.4126, 0.3750

Protanopia

45.7778, 0.3655, 0.3915

Deuteranopia

45.9667, 0.3956, 0.3872



Tritanopia

45.7823, 0.3742, 0.3156

Trichromacy



Original Color

45.7677, 0.4126, 0.3750

Protanomaly

45.5370, 0.3816, 0.3854

Deuteranomaly

45.6023, 0.4019, 0.3826

Tritanomaly

45.6996, 0.3894, 0.3372

Monochromacy



Original Color

45.7677, 0.4126, 0.3750

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 45.7677, 0.4126, 0.3750 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(231, 166, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 166, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 166, 126) }
```

Border

The CSS property to change the border of an element to Yxy 45.7677, 0.4126, 0.3750 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(231, 166, 126) }
```

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

```
.border{ border-color:rgb(231, 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(231, 166, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 166, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 166, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 166,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7677, 0.4126, 0.3750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 166, 126) }
```

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

```
.background{ background-color: rgb(231,  
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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