

Converting Colors

$Y_{xy}(45.0878, 0.4158, 0.3665)$

Have a look what the booklet for
Yxy(45.0878, 0.4158, 0.3665)
contains.

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Color

Yxy(45.0878, 0.4158, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	EBA281
RGB	235, 162, 129
RGB Percent	92%, 64%, 51%
CMY	0.0783, 0.3647, 0.4940
CMYK	0.00, 0.31, 0.45, 0.08
HSL	19°, 73%, 71%
HSV	19°, 45%, 92%
XYZ	51.1528, 45.0878, 26.7820
YIQ	180.0650, 54.1010, 5.2130

Conversions

Conversions Part 2

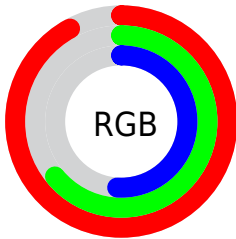
Format	Color
R _Y B	235, 177, 129
Decimal	15442561
CIE Lab	72.95, 23.30, 28.05
CIE LCh	73, 36.466, 50.282
Yxy	45.0878, 0.4158, 0.3665
Android (android.graphics.Color)	4293632641 (0xFFEBA281)
YUV	180.0650, -25.1750, 48.1780
Hunter-Lab	67.1474, 18.4730, 23.3552

Details

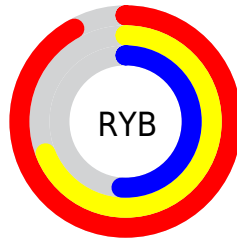
The Yxy color **45.0878, 0.4158, 0.3665** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **52.9398, 0.2448, 0.2868**, and the grayscale version is **45.7968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2631, 0.3662, 0.3651**, and **21.0635, 0.4460, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **39.1929, 0.4491, 0.3737**, and if you desaturate by 10%, it is **51.8655, 0.3863, 0.3582**.

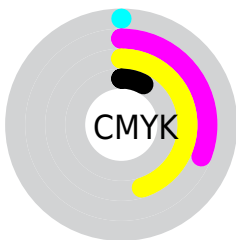
Distribution



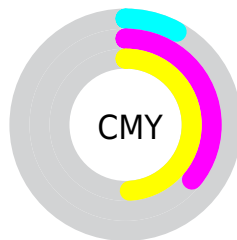
- Red (92%)
- Green (64%)
- Blue (51%)



- Red (92%)
- Yellow (69%)
- Blue (51%)



- Cyan (0%)
- Magenta (31%)
- Yellow (45%)
- Black (8%)




- Cyan (8%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0878, 0.4158, 0.3665 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 45.0878, 0.4158, 0.3665 by changing the saturation by 10% instead.


 45.0878, 0.4158,
0.3665

 45.0878, 0.4158,
0.3665


367.1290, 0.3637,
0.3500


 31.5266, 0.4287,
0.3698


 82.8521, 0.3969,
0.3611

 21.0002, 0.4452,
0.3735


 107.8241, 0.3898,
0.3589

 13.1241, 0.4667,
0.3774


 137.3684, 0.3837,
0.3569

 7.5141, 0.4957,
0.3809

171.8694, 0.3786,
0.3552

 3.7856, 0.5365,
0.3822

211.7116, 0.3741,
0.3537

 1.5544, 0.6137,
0.3863

257.2793, 0.3702,

 0.3265, 0.7293,

0.3523

0.2707

308.9570, 0.3668,
0.3511

0.0000, 0.0000,
0.0000

45.0878, 0.4158,
0.3665

45.0878, 0.4158,
0.3665

39.1929, 0.4491,
0.3737

51.8655, 0.3863,
0.3582

34.1364, 0.4851,
0.3787

59.5549, 0.3609,
0.3495

29.8797, 0.5219,
0.3804

68.1915, 0.3392,
0.3410

26.3779, 0.5562,
0.3775

77.8069, 0.3209,
0.3329

23.5808, 0.5845,
0.3697

88.4311, 0.3055,
0.3254

■ 22.4451, 0.5961,
0.3649

■ 96.4078, 0.3006,
0.3290

Harmonies

Analogous

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



45.0878, 0.4002, 0.3258



45.0878, 0.4158, 0.3665



45.0878, 0.4011, 0.4023

Triad

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



45.0878, 0.4158, 0.3665



45.0878, 0.2649, 0.3745



45.0878, 0.2593, 0.2476

Complementary

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



45.0878, 0.4158, 0.3665



52.9398, 0.2448, 0.2868

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.



45.0878, 0.2290, 0.2530



45.0878, 0.4158, 0.3665



45.0878, 0.2317, 0.3227

Square

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



45.0878, 0.4158, 0.3665



45.0878, 0.3126, 0.4131



45.0878, 0.2194, 0.2786



45.0878, 0.3060, 0.2605

Rectangle

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



45.0878, 0.4158, 0.3665



45.0878, 0.3774, 0.4180



45.0878, 0.2194, 0.2786



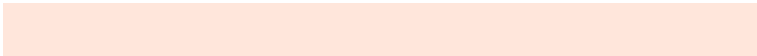
45.0878, 0.2471, 0.2472

Sweetspot

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



45.0900, 0.4158, 0.3665



83.2081, 0.3372, 0.3402



37.6962, 0.3488, 0.2484



17.3011, 0.3415, 0.3420



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.



45.0900, 0.4158, 0.3665



47.7358, 0.4460, 0.3732



67.2605, 0.3890, 0.4204



15.8182, 0.3285, 0.3364



12.6878, 0.5932, 0.3672



1.1621, 0.5661, 0.3887

Inverse Universe

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



52.9398, 0.2448, 0.2868



58.1980, 0.2329, 0.2765



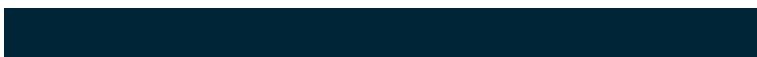
32.5525, 0.2324, 0.2161



16.2856, 0.2981, 0.3215



17.9410, 0.1957, 0.2243



1.5788, 0.2002, 0.2406

Previews

White Background



This preview shows how the Yxy color 45.0878, 0.4158, 0.3665 looks on a white background.

Color Contrast Check

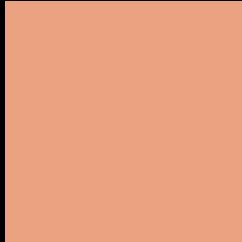
Large Text (above 18pt) WCAG AA × Fail

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 45.0878, 0.4158, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

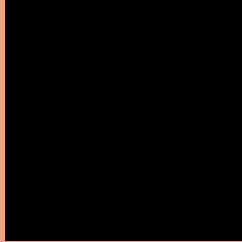
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0878, 0.4158, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 45.0878, 0.4158, 0.3665.



This preview shows how white text looks on a background with the Yxy color 45.0878, 0.4158, 0.3665.

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

45.0878, 0.4158, 0.3665

Protanopia

45.2528, 0.3597, 0.3842

Deuteranopia

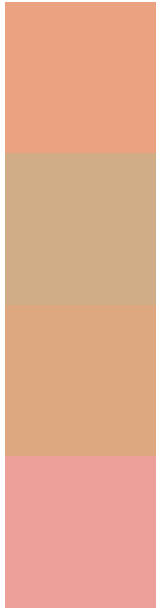
45.1835, 0.3914, 0.3843



Tritanopia

45.1182, 0.3819, 0.3169

Trichromacy



Original Color

45.0878, 0.4158, 0.3665

Protanomaly

45.0183, 0.3799, 0.3779

Deuteranomaly

44.9359, 0.4002, 0.3769

Tritanomaly

45.1339, 0.3944, 0.3349

Monochromacy



Original Color

45.0878, 0.4158, 0.3665

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

44.7397, 0.3479, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0878, 0.4158, 0.3665 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(235, 162, 129)` looks like.

```
.text, #text, p{  
    color:rgb(235, 162, 129)  
}
```

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(235, 162, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 162, 129) }
```

Border

The CSS property to change the border of an element to Yxy 45.0878, 0.4158, 0.3665 is called "border". The border property can be set on classes, ids or directly on the HTML element.

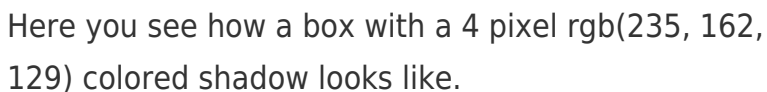
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 162, 129) }
```

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

```
.border{ border-color:rgb(235, 162, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 162, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 162, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 162, 129);  
box-shadow:4px 4px 4px 4px rgb(235, 162,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0878, 0.4158, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 162, 129) }
```

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

```
.background{ background-color: rgb(235,  
162, 129) }
```

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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