

Converting Colors

$Yxy(46.3337, 0.4387, 0.4039)$

Have a look what the booklet for
Yxy(46.3337, 0.4387, 0.4039)
contains.

Yxy(46.5683, 0.4384, 0.4042)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.5683, 0.4384, 0.4042)

Conversions

Conversions Part 1

Format	Color
Hex	EBA863
RGB	235, 168, 99
RGB Percent	92%, 66%, 39%
CMY	0.0786, 0.3411, 0.6117
CMYK	0.00, 0.28, 0.58, 0.08
HSL	30°, 77%, 65%
HSV	30°, 58%, 92%
XYZ	50.5085, 46.5683, 18.1342
YIQ	180.1670, 62.0810, -7.2550

Conversions

Conversions Part 2

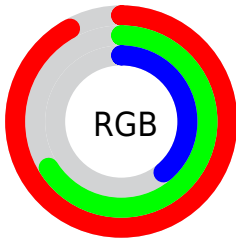
Format	Color
R _Y B	231, 235, 99
Decimal	15444067
CIE Lab	73.91, 17.44, 44.98
CIE LCh	74, 48.245, 68.814
Yxy	46.5683, 0.4384, 0.4042
Android (android.graphics.Color)	4293634147 (0xFFEBA863)
YUV	180.1670, -40.0153, 48.0885
Hunter-Lab	68.2410, 12.6950, 32.0131

Details

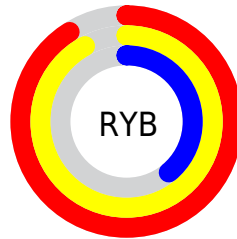
The Yxy color **46.5683, 0.4384, 0.4042** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.9089, 0.2201, 0.2341**, and the grayscale version is **45.9318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2697, 0.3861, 0.4022**, and **21.9426, 0.4707, 0.4181** is the 20% darker color. If you saturate the color by 10%, you get **42.1000, 0.4658, 0.4128**, and if you desaturate by 10%, it is **51.5522, 0.4116, 0.3927**.

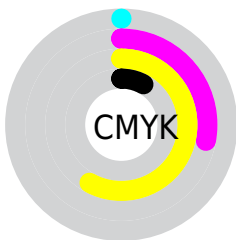
Distribution



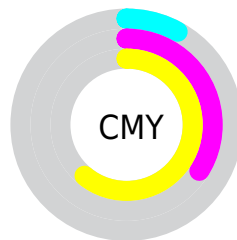
- Red (92%)
- Green (66%)
- Blue (39%)



- Red (91%)
- Yellow (92%)
- Blue (39%)



- Cyan (0%)
- Magenta (28%)
- Yellow (58%)
- Black (8%)




- Cyan (8%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5683, 0.4384, 0.4042 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 46.5683, 0.4384, 0.4042 by changing the saturation by 10% instead.

 46.5683, 0.4384,
0.4042


 46.5683, 0.4384,
0.4042

373.0887, 0.3768,
0.3708

 32.6945, 0.4527,
0.4107


 85.0689, 0.4167,
0.3934

 21.8925, 0.4701,
0.4178


 110.4644, 0.4083,
0.3889

 13.7779, 0.4916,
0.4251


 140.4694, 0.4011,
0.3849

 7.9664, 0.5178,
0.4312

 175.4681, 0.3949,
0.3815

 4.0734, 0.5594,
0.4406

215.8450, 0.3895,
0.3784

 1.7147, 0.5817,
0.4183

261.9845, 0.3848,

 0.4332, 0.6591,

0.3756

0.3409

314.2709, 0.3805,
0.3731

0.0000, 0.0000,
0.0000

46.5683, 0.4384,
0.4042

46.5683, 0.4384,
0.4042

42.1000, 0.4658,
0.4128

51.5522, 0.4116,
0.3927

38.1187, 0.4924,
0.4174

57.0644, 0.3865,
0.3796

34.6027, 0.5165,
0.4167

63.1258, 0.3637,
0.3659

31.5225, 0.5366,
0.4105

69.7536, 0.3433,
0.3521

30.9127, 0.5407,
0.4089

76.9644, 0.3253,
0.3389

■ 84.7736, 0.3095,
0.3264

■ 92.6372, 0.3005,
0.3230

■ 96.3967, 0.3005,
0.3290

Harmonies

Analogous

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



46.5683, 0.4445, 0.3543



46.5683, 0.4384, 0.4042



46.5683, 0.3972, 0.4427

Triad

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



46.5683, 0.4384, 0.4042



46.5683, 0.2216, 0.3456



46.5683, 0.2783, 0.2337

Complementary

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



46.5683, 0.4384, 0.4042



35.9089, 0.2201, 0.2341

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.



46.5683, 0.2266, 0.2252



46.5683, 0.4384, 0.4042



46.5683, 0.1967, 0.2810

Square

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



46.5683, 0.4384, 0.4042



46.5683, 0.2715, 0.4136



46.5683, 0.1987, 0.2400



46.5683, 0.3459, 0.2618

Rectangle

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



46.5683, 0.4384, 0.4042



46.5683, 0.3575, 0.4528



46.5683, 0.1987, 0.2400



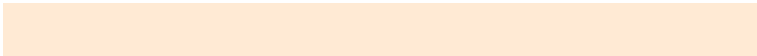
46.5683, 0.2587, 0.2285

Sweetspot

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



46.5706, 0.4384, 0.4042



84.6440, 0.3418, 0.3511



29.3730, 0.3977, 0.2557



17.7583, 0.3457, 0.3538



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.



46.5706, 0.4384, 0.4042



49.9622, 0.4698, 0.4138



77.9562, 0.3952, 0.4653



16.3179, 0.3280, 0.3410



17.4659, 0.5383, 0.4108



1.5640, 0.5174, 0.4274

Inverse Universe

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



35.9089, 0.2201, 0.2341



36.0457, 0.2043, 0.2112



17.5764, 0.2003, 0.1431



15.7739, 0.2981, 0.3167



10.5089, 0.1765, 0.1555



1.0174, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 46.5683, 0.4384, 0.4042 looks on a white background.

Color Contrast Check

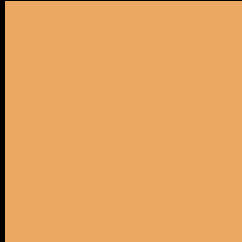
Large Text (above 18pt) WCAG AA × Fail

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 46.5683, 0.4384, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

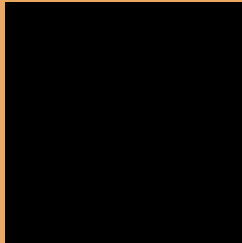
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5683, 0.4384, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 46.5683, 0.4384, 0.4042.



This preview shows how white text looks on a background with the Yxy color 46.5683, 0.4384, 0.4042.

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

46.5683, 0.4384, 0.4042

Protanopia

46.7347, 0.3927, 0.4263

Deuteranopia

46.4570, 0.4246, 0.4146



Tritanopia

46.4373, 0.3811, 0.3159

Trichromacy



Original Color

46.5683, 0.4384, 0.4042

Protanomaly

46.5497, 0.4095, 0.4184

Deuteranomaly

46.3386, 0.4298, 0.4111

Tritanomaly

46.2357, 0.4040, 0.3483

Monochromacy



Original Color

46.5683, 0.4384, 0.4042

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5644, 0.3560, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5683, 0.4384, 0.4042 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, 168, 99)` looks like.

```
.text, #text, p{  
    color:rgb(235, 168, 99)  
}
```

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, 168, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 168, 99) }
```

Border

The CSS property to change the border of an element to Yxy 46.5683, 0.4384, 0.4042 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, 168, 99) }
```

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

```
.border{ border-color:rgb(235, 168, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 168, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 168, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 168, 99);  
box-shadow:4px 4px 4px 4px rgb(235, 168,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 46.5683, 0.4384, 0.4042$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 168, 99) }
```

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

```
.background{ background-color: rgb(235,  
168, 99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor