

# Converting Colors

$Yxy(47.0851, 0.4027, 0.3664)$

Have a look what the booklet for  
Yxy(47.0851, 0.4027, 0.3664)  
contains.

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# Color

**Yxy(46.9386, 0.4032, 0.3659)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E8A888
RGB	232, 168, 136
RGB Percent	91%, 66%, 53%
CMY	0.0902, 0.3411, 0.4667
CMYK	0.00, 0.28, 0.41, 0.09
HSL	20°, 68%, 72%
HSV	20°, 41%, 91%
XYZ	51.7235, 46.9386, 29.6205
YIQ	183.4880, 48.4160, 3.6160

# Conversions

## Conversions Part 2

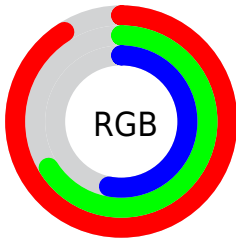
Format	Color
R <sub>Y</sub> B	232, 184, 136
Decimal	15247496
CIE Lab	74.15, 19.63, 25.84
CIE LCh	74, 32.453, 52.774
Yxy	46.9386, 0.4032, 0.3659
Android (android.graphics.Color)	4293437576 (0xFFE8A888)
YUV	183.4880, -23.4116, 42.5450
Hunter-Lab	68.5118, 14.8646, 22.3247

# Details

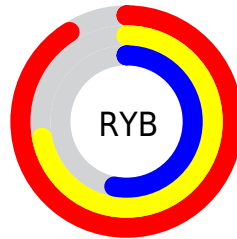
The Yxy color **46.9386, 0.4032, 0.3659** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **52.3551, 0.2496, 0.2880**, and the grayscale version is **47.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7531, 0.3589, 0.3627**, and **22.1613, 0.4281, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **40.9771, 0.4344, 0.3742**, and if you desaturate by 10%, it is **53.7262, 0.3758, 0.3568**.

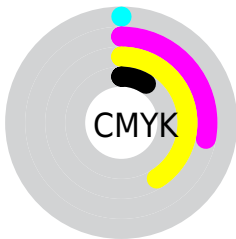
# Distribution



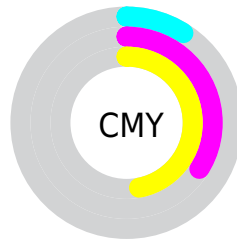
- Red (91%)
- Green (66%)
- Blue (53%)



- Red (91%)
- Yellow (72%)
- Blue (53%)



- Cyan (0%)
- Magenta (28%)
- Yellow (41%)
- Black (9%)



- Cyan (9%)
- Magenta (34%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9386, 0.4032, 0.3659 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 46.9386, 0.4032, 0.3659 by changing the saturation by 10% instead.





 46.9386, 0.4032,  
0.3659


 46.9386, 0.4032,  
0.3659


374.5694, 0.3578,  
0.3492


 32.9871, 0.4144,  
0.3694


 85.6220, 0.3867,  
0.3603

 22.1166, 0.4287,  
0.3735

 111.1226, 0.3805,  
0.3581

 13.9426, 0.4475,  
0.3782


 141.2418, 0.3753,  
0.3561

 8.0807, 0.4729,  
0.3833

176.3639, 0.3708,  
0.3544

 4.1467, 0.5085,  
0.3876

216.8734, 0.3669,  
0.3529

 1.7559, 0.5918,  
0.4082

263.1545, 0.3634,

 0.4595, 0.6665,

0.3515

0.3335

315.5917, 0.3604,  
0.3503

0.0000, 0.0000,  
0.0000

46.9386, 0.4032,  
0.3659

46.9386, 0.4032,  
0.3659

40.9771, 0.4344,  
0.3742

53.7262, 0.3758,  
0.3568

35.8020, 0.4686,  
0.3807

61.3642, 0.3521,  
0.3475

31.3800, 0.5043,  
0.3842

69.8840, 0.3319,  
0.3386

27.6725, 0.5389,  
0.3835

79.3135, 0.3149,  
0.3301

24.6367, 0.5692,  
0.3778

89.6794, 0.3004,  
0.3223

■ 22.5163, 0.5902,  
0.3696

■ 95.8952, 0.2987,  
0.3290

# Harmonies

## Analogous

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



46.9386, 0.3915, 0.3297



46.9386, 0.4032, 0.3659



46.9386, 0.3887, 0.3963

# Triad

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



46.9386, 0.4032, 0.3659



46.9386, 0.2678, 0.3652



46.9386, 0.2687, 0.2569

# Complementary

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



46.9386, 0.4032, 0.3659



52.3551, 0.2496, 0.2880

# 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.



46.9386, 0.2400, 0.2607



46.9386, 0.4032, 0.3659



46.9386, 0.2394, 0.3203

# Square

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



46.9386, 0.4032, 0.3659



46.9386, 0.3094, 0.4001



46.9386, 0.2298, 0.2824



46.9386, 0.3109, 0.2696



# Rectangle

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



46.9386, 0.4032, 0.3659



46.9386, 0.3670, 0.4084



46.9386, 0.2298, 0.2824



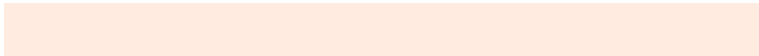
46.9386, 0.2573, 0.2562

# Sweetspot

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



46.9409, 0.4032, 0.3659



85.8550, 0.3332, 0.3392



38.9292, 0.3481, 0.2581



18.0683, 0.3357, 0.3403



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.



46.9409, 0.4032, 0.3659



51.5646, 0.4307, 0.3733



68.0414, 0.3810, 0.4163



15.1495, 0.3284, 0.3369



12.7076, 0.5873, 0.3719



1.1050, 0.5589, 0.3944

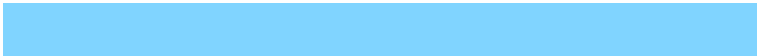


# Inverse Universe

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



52.3551, 0.2496, 0.2880



59.0948, 0.2373, 0.2775



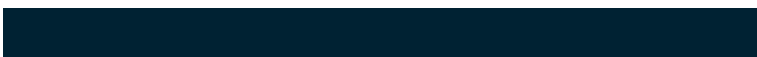
33.5113, 0.2390, 0.2229



15.4839, 0.2981, 0.3210



16.4194, 0.1935, 0.2164



1.3825, 0.1986, 0.2348



# Previews

## White Background



This preview shows how the Yxy color 46.9386, 0.4032, 0.3659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

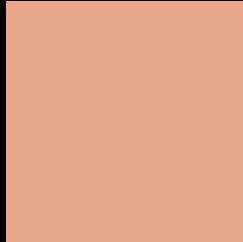
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9386, 0.4032, 0.3659 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

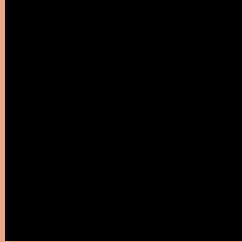
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9386, 0.4032, 0.3659**

## Background



This preview shows how black text looks on a background with the Yxy color 46.9386, 0.4032, 0.3659.



This preview shows how white text looks on a background with the Yxy color 46.9386, 0.4032, 0.3659.

# 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

46.9386, 0.4032, 0.3659

### Protanopia

47.0110, 0.3573, 0.3808

### Deuteranopia

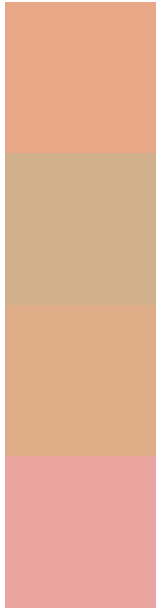
47.0081, 0.3857, 0.3776



## Tritanopia

47.1224, 0.3713, 0.3157

# Trichromacy



**Original Color**

46.9386, 0.4032, 0.3659

**Protanomaly**

46.7476, 0.3729, 0.3752

**Deuteranomaly**

46.7839, 0.3928, 0.3731

**Tritanomaly**

47.1456, 0.3833, 0.3338

# Monochromacy



**Original Color**

46.9386, 0.4032, 0.3659

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

47.0115, 0.3433, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9386, 0.4032, 0.3659 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(232, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(232, 168, 136)  
}
```

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(232, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 168, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9386, 0.4032, 0.3659 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(232, 168, 136) }
```

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

```
.border{ border-color:rgb(232, 168, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 168, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 168, 136); box-shadow:4px 4px 4px 4px rgb(232, 168, 136) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9386, 0.4032, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 168, 136) }
```

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

```
.background{ background-color: rgb(232,  
168, 136) }
```

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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