

# Converting Colors

$Y_{xy}(46.4682, 0.4442, 0.4062)$

Have a look what the booklet for  
Yxy(46.4682, 0.4442, 0.4062)  
contains.

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# Color

**Yxy(46.4682, 0.4442, 0.4062)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDA75F
RGB	237, 167, 95
RGB Percent	93%, 65%, 37%
CMY	0.0705, 0.3451, 0.6275
CMYK	0.00, 0.30, 0.60, 0.07
HSL	30°, 80%, 65%
HSV	30°, 60%, 93%
XYZ	50.8153, 46.4682, 17.1138
YIQ	179.7220, 64.8320, -7.5520

# Conversions

## Conversions Part 2

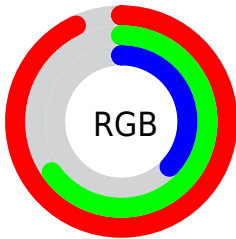
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 237, 95
Decimal	15574879
CIE Lab	73.85, 18.53, 46.98
CIE LCh	74, 50.500, 68.471
Yxy	46.4682, 0.4442, 0.4062
Android (android.graphics.Color)	4293764959 (0xFFEDA75F)
YUV	179.7220, -41.7679, 50.2328
Hunter-Lab	68.1676, 13.7689, 32.8322

# Details

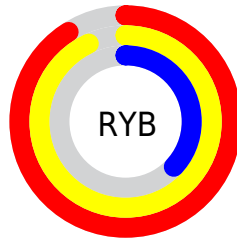
The Yxy color **46.4682, 0.4442, 0.4062** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **35.4648, 0.2171, 0.2301**, and the grayscale version is **45.6881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6091, 0.3892, 0.4052**, and **21.7980, 0.4764, 0.4198** is the 20% darker color. If you saturate the color by 10%, you get **42.0131, 0.4716, 0.4141**, and if you desaturate by 10%, it is **51.4460, 0.4172, 0.3952**.

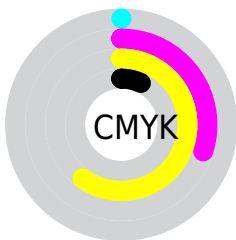
# Distribution



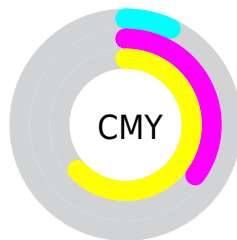
- Red (93%)
- Green (65%)
- Blue (37%)



- Red (91%)
- Yellow (93%)
- Blue (37%)



- Cyan (0%)
- Magenta (30%)
- Yellow (60%)
- Black (7%)




- Cyan (7%)
- Magenta (35%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4682, 0.4442, 0.4062 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 46.4682, 0.4442, 0.4062 by changing the saturation by 10% instead.





 46.4682, 0.4442,  
0.4062

 46.4682, 0.4442,  
0.4062


372.6878, 0.3799,  
0.3724


 32.6154, 0.4590,  
0.4126


 84.9193, 0.4216,  
0.3953

 21.8320, 0.4769,  
0.4195


 110.2864, 0.4129,  
0.3908

 13.7335, 0.4988,  
0.4262


 140.2604, 0.4054,  
0.3868

 7.9356, 0.5254,  
0.4313

 175.2257, 0.3989,  
0.3833

 4.0537, 0.5638,  
0.4362

215.5667, 0.3933,  
0.3801

 1.7037, 0.5873,  
0.4127

261.6678, 0.3883,

 0.4260, 0.6681,

0.3772

0.3319

313.9133, 0.3839,  
0.3747

0.0000, 0.0000,  
0.0000

46.4682, 0.4442,  
0.4062

46.4682, 0.4442,  
0.4062

42.0131, 0.4716,  
0.4141

51.4460, 0.4172,  
0.3952

38.0512, 0.4979,  
0.4175

56.9601, 0.3916,  
0.3824

34.5596, 0.5213,  
0.4157


63.0319, 0.3683,  
0.3687

31.5024, 0.5408,  
0.4087


69.6795, 0.3473,  
0.3549

31.4810, 0.5409,  
0.4087

76.9198, 0.3288,  
0.3416

 84.7689, 0.3126,  
0.3289

 92.8562, 0.3018,  
0.3229

 96.7490, 0.3017,  
0.3290

# Harmonies

## Analogous

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



46.4682, 0.4505, 0.3541



46.4682, 0.4442, 0.4062



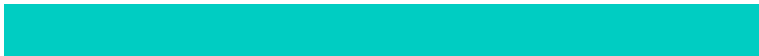
46.4682, 0.4011, 0.4473

# Triad

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



46.4682, 0.4442, 0.4062



46.4682, 0.2180, 0.3470



46.4682, 0.2758, 0.2296

# Complementary

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



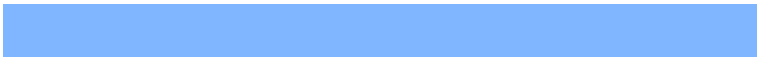
46.4682, 0.4442, 0.4062



35.4648, 0.2171, 0.2301

# 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.



46.4682, 0.2224, 0.2210



46.4682, 0.4442, 0.4062



46.4682, 0.1920, 0.2791

# Square

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



46.4682, 0.4442, 0.4062



46.4682, 0.2701, 0.4188



46.4682, 0.1939, 0.2364



46.4682, 0.3464, 0.2585



# Rectangle

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



46.4682, 0.4442, 0.4062



46.4682, 0.3597, 0.4588



46.4682, 0.1939, 0.2364



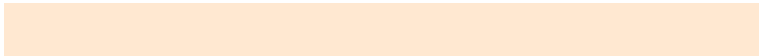
46.4682, 0.2555, 0.2243

# Sweetspot

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



46.4705, 0.4442, 0.4062



83.7899, 0.3437, 0.3524



28.9444, 0.4024, 0.2537



17.4204, 0.3494, 0.3564



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.



46.4705, 0.4442, 0.4062



48.4424, 0.4780, 0.4153



79.4182, 0.3974, 0.4691



16.3164, 0.3280, 0.3410



17.4469, 0.5385, 0.4107



1.5625, 0.5175, 0.4273



# Inverse Universe

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



35.4648, 0.2171, 0.2301



34.3880, 0.2006, 0.2054



16.7302, 0.1960, 0.1361



15.7755, 0.2981, 0.3167



10.5272, 0.1766, 0.1557



1.0189, 0.1836, 0.1810



# Previews

## White Background



This preview shows how the Yxy color 46.4682, 0.4442, 0.4062 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 46.4682, 0.4442, 0.4062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

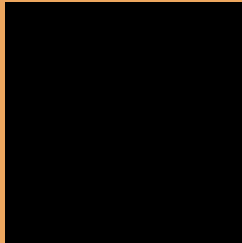
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.4682, 0.4442, 0.4062**

## Background



This preview shows how black text looks on a background with the Yxy color 46.4682, 0.4442, 0.4062.



This preview shows how white text looks on a background with the Yxy color 46.4682, 0.4442, 0.4062.

# 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

46.4682, 0.4442, 0.4062

### Protanopia

46.6554, 0.3956, 0.4308

### Deuteranopia

46.3833, 0.4277, 0.4185



## Tritanopia

46.4107, 0.3843, 0.3160

# Trichromacy



## Original Color

46.4682, 0.4442, 0.4062

## Protanomaly

46.4723, 0.4125, 0.4226

## Deuteranomaly

46.4280, 0.4337, 0.4145

## Tritanomaly

46.1737, 0.4083, 0.3493

# Monochromacy



## Original Color

46.4682, 0.4442, 0.4062

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.2474, 0.3590, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.4682, 0.4442, 0.4062 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(237, 167, 95)` looks like.

```
.text, #text, p{  
    color:rgb(237, 167, 95)  
}
```

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(237, 167, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 167, 95) }
```

## Border

The CSS property to change the border of an element to Yxy 46.4682, 0.4442, 0.4062 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(237, 167, 95) }
```

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

```
.border{ border-color:rgb(237, 167, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 167, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 167, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 167, 95);  
box-shadow:4px 4px 4px 4px rgb(237, 167,  
95) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.4682, 0.4442, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 167, 95) }
```

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

```
.background{ background-color: rgb(237,  
167, 95) }
```

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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