

# Converting Colors

$Yxy(46.0915, 0.4024, 0.3533)$

Have a look what the booklet for  
Yxy(46.0915, 0.4024, 0.3533)  
contains.

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# Color

**Yxy(46.1661, 0.4022, 0.3542)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBA48E
RGB	235, 164, 142
RGB Percent	92%, 64%, 56%
CMY	0.0784, 0.3569, 0.4430
CMYK	0.00, 0.30, 0.40, 0.08
HSL	14°, 70%, 74%
HSV	14°, 40%, 92%
XYZ	52.4224, 46.1661, 31.7506
YIQ	182.7210, 49.3780, 8.2100

# Conversions

## Conversions Part 2

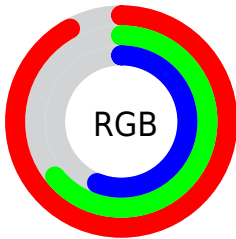
Format	Color
R <sub>Y</sub> B	235, 171, 142
Decimal	15443086
CIE Lab	73.65, 23.61, 21.95
CIE LCh	74, 32.234, 42.916
Yxy	46.1661, 0.4022, 0.3542
Android (android.graphics.Color)	4293633166 (0xFFEBA48E)
YUV	182.7210, -20.0755, 45.8487
Hunter-Lab	67.9456, 18.8140, 19.8561

# Details

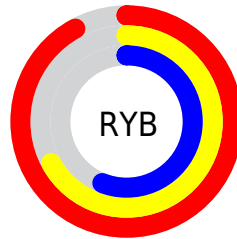
The Yxy color **46.1661, 0.4022, 0.3542** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **59.3591, 0.2539, 0.3017**, and the grayscale version is **47.2872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9086, 0.3555, 0.3526**, and **21.7082, 0.4273, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **39.5581, 0.4357, 0.3602**, and if you desaturate by 10%, it is **53.8339, 0.3734, 0.3477**.

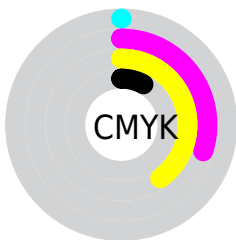
# Distribution



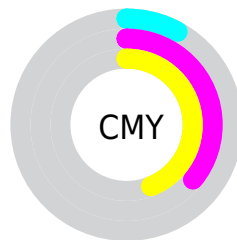
- Red (92%)
- Green (64%)
- Blue (56%)



- Red (92%)
- Yellow (67%)
- Blue (56%)



- Cyan (0%)
- Magenta (30%)
- Yellow (40%)
- Black (8%)




- Cyan (8%)
- Magenta (36%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1661, 0.4022, 0.3542 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 46.1661, 0.4022, 0.3542 by changing the saturation by 10% instead.





 46.1661, 0.4022,  
0.3542


 46.1661, 0.4022,  
0.3542


371.4760, 0.3570,  
0.3432


 32.3769, 0.4135,  
0.3564


 84.4675, 0.3857,  
0.3506

 21.6496, 0.4280,  
0.3588


 109.7486, 0.3796,  
0.3492

 13.5996, 0.4471,  
0.3614


 139.6290, 0.3743,  
0.3479

 7.8427, 0.4733,  
0.3638

174.4932, 0.3699,  
0.3467

 3.9945, 0.5110,  
0.3647

214.7256, 0.3660,  
0.3457

 1.6705, 0.5971,  
0.3778


260.7107, 0.3626,


 0.4044, 0.7050,


0.3448


0.2950


312.8327, 0.3596,  
0.3440


 0.0000, 0.0000,  
0.0000


 46.1661, 0.4022,  
0.3542


 46.1661, 0.4022,  
0.3542


 39.5581, 0.4357,  
0.3602

 53.8339, 0.3734,  
0.3477


 33.9559, 0.4734,  
0.3648


 62.5990, 0.3491,  
0.3410


 29.3110, 0.5135,  
0.3670

 72.5052, 0.3289,  
0.3347

 25.5677, 0.5528,  
0.3657

 83.5919, 0.3120,  
0.3288

 22.6642, 0.5868,  
0.3604

 95.6010, 0.3005,  
0.3277

■ 20.5246, 0.6120,  
0.3519

■ 96.4034, 0.3005,  
0.3290

■ 20.4465, 0.6130,  
0.3515

# Harmonies

## Analogous

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



46.1661, 0.3821, 0.3179



46.1661, 0.4022, 0.3542



46.1661, 0.3960, 0.3875

# Triad

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



46.1661, 0.4022, 0.3542



46.1661, 0.2804, 0.3786



46.1661, 0.2575, 0.2563

# Complementary

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



46.1661, 0.4022, 0.3542



59.3591, 0.2539, 0.3017

# 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.



46.1661, 0.2346, 0.2659



46.1661, 0.4022, 0.3542



46.1661, 0.2469, 0.3350

# Square

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



46.1661, 0.4022, 0.3542



46.1661, 0.3242, 0.4065



46.1661, 0.2308, 0.2934



46.1661, 0.2960, 0.2639



# Rectangle

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



46.1661, 0.4022, 0.3542



46.1661, 0.3786, 0.4034



46.1661, 0.2308, 0.2934



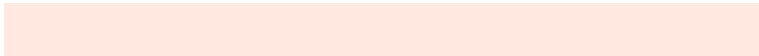
46.1661, 0.2479, 0.2575

# Sweetspot

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



46.1683, 0.4022, 0.3542



84.1691, 0.3336, 0.3362



41.8384, 0.3371, 0.2519



17.6735, 0.3361, 0.3371



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.



46.1683, 0.4022, 0.3542



49.3752, 0.4274, 0.3589



65.8158, 0.3817, 0.4036



15.6318, 0.3287, 0.3346



11.5417, 0.6104, 0.3536



1.0509, 0.5837, 0.3748

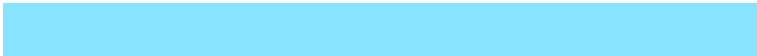


# Inverse Universe

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



59.3591, 0.2539, 0.3017



67.1466, 0.2440, 0.2955



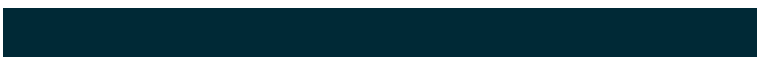
39.3251, 0.2445, 0.2407



16.4835, 0.2981, 0.3233



21.5924, 0.2030, 0.2509



1.8408, 0.2064, 0.2630



# Previews

## White Background



This preview shows how the Yxy color 46.1661, 0.4022, 0.3542 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 46.1661, 0.4022, 0.3542 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 46.1661, 0.4022, 0.3542**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.1661, 0.4022, 0.3542.



This preview shows how white text looks on a background with the Yxy color 46.1661, 0.4022, 0.3542.

# 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

46.1661, 0.4022, 0.3542

### Protanopia

46.4562, 0.3481, 0.3695

### Deuteranopia

46.3117, 0.3789, 0.3709



## Tritanopia

46.2973, 0.3770, 0.3157

# Trichromacy



## Original Color

46.1661, 0.4022, 0.3542

## Protanomaly

46.1764, 0.3674, 0.3640

## Deuteranomaly

46.0447, 0.3872, 0.3638

## Tritanomaly

46.0675, 0.3866, 0.3292

# Monochromacy



## Original Color

46.1661, 0.4022, 0.3542

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.4344, 0.3429, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1661, 0.4022, 0.3542 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, 164, 142)` looks like.

```
.text, #text, p{  
    color:rgb(235, 164, 142)  
}
```

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, 164, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 164, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1661, 0.4022, 0.3542 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, 164, 142) }
```

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

```
.border{ border-color:rgb(235, 164, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 164, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 164, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 164, 142);  
box-shadow:4px 4px 4px 4px rgb(235, 164,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1661, 0.4022, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 164, 142) }
```

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

```
.background{ background-color: rgb(235,  
164, 142) }
```

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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