

# Converting Colors

$Yxy(47.6467, 0.4362, 0.4272)$

Have a look what the booklet for  
Yxy(47.6467, 0.4362, 0.4272)  
contains.

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# Color

**Yxy(47.6467, 0.4362, 0.4272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3AF55
RGB	227, 175, 85
RGB Percent	89%, 69%, 33%
CMY	0.1098, 0.3137, 0.6665
CMYK	0.00, 0.23, 0.63, 0.11
HSL	38°, 72%, 61%
HSV	38°, 63%, 89%
XYZ	48.6505, 47.6467, 15.2353
YIQ	180.2880, 59.8820, -16.9660

# Conversions

## Conversions Part 2

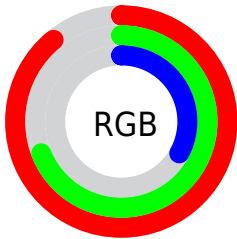
Format	Color
<b>RYB</b>	167, 227, 85
Decimal	14921557
CIELab	74.60, 9.44, 52.38
CIElCh	75, 53.222, 79.785
Yxy	47.6467, 0.4362, 0.4272
Android (android.graphics.Color)	4293111637 (0xFFE3AF55)
YUV	180.2880, -46.9770, 40.9664
Hunter-Lab	69.0266, 5.0117, 35.2323

# Details

The Yxy color **47.6467, 0.4362, 0.4272** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.3834, 0.2074, 0.1981**, and the grayscale version is **46.0415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6886, 0.3915, 0.4209**, and **22.6006, 0.4639, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **44.2061, 0.4576, 0.4367**, and if you desaturate by 10%, it is **51.4070, 0.4139, 0.4142**.

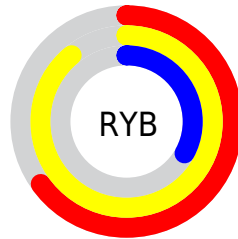
# Distribution



Red (89%)

Green (69%)

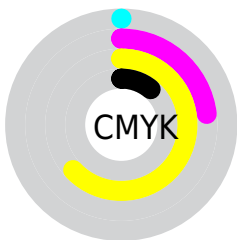
Blue (33%)



Red (65%)

Yellow (89%)

Blue (33%)

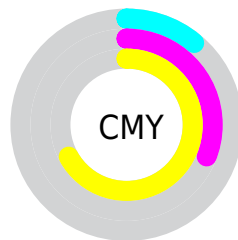


Cyan (0%)

Magenta (23%)

Yellow (63%)

Black (11%)



Cyan (11%)

Magenta (31%)


Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6467, 0.4362, 0.4272 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 47.6467, 0.4362, 0.4272 by changing the saturation by 10% instead.





 47.6467, 0.4362,  
0.4272


 47.6467, 0.4362,  
0.4272


377.3900, 0.3773,  
0.3828

 33.5472, 0.4491,  
0.4360


 86.6781, 0.4159,  
0.4126

 22.5460, 0.4644,  
0.4458


 112.3789, 0.4080,  
0.4067


 14.2586, 0.4823,  
0.4561


 142.7154, 0.4011,  
0.4014

 8.3008, 0.5042,  
0.4672

 178.0723, 0.3950,  
0.3968

 4.2880, 0.5267,  
0.4733

 218.8338, 0.3898,  
0.3927

 1.8359, 0.5391,  
0.4609

265.3843, 0.3851,

 0.5094, 0.5838,

0.3891

0.4162

318.1082, 0.3810,  
0.3858

0.0000, 0.0000,  
0.0000

47.6467, 0.4362,  
0.4272

47.6467, 0.4362,  
0.4272

44.2061, 0.4576,  
0.4367

51.4070, 0.4139,  
0.4142

41.0631, 0.4770,  
0.4417

55.4935, 0.3918,  
0.3989

38.2026, 0.4933,  
0.4414

59.9209, 0.3706,  
0.3824

36.2328, 0.5036,  
0.4383

64.7004, 0.3509,  
0.3655

69.8429, 0.3329,  
0.3489

■ 75.3584, 0.3166,  
0.3329

■ 81.2565, 0.3020,  
0.3179

■ 86.7733, 0.2956,  
0.3153

■ 91.8235, 0.2957,  
0.3238

# Harmonies

## Analogous

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



47.6467, 0.4593, 0.3752



47.6467, 0.4362, 0.4272



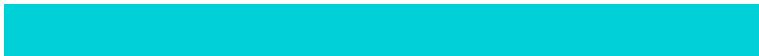
47.6467, 0.3808, 0.4616

# Triad

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



47.6467, 0.4362, 0.4272



47.6467, 0.2005, 0.3184



47.6467, 0.3005, 0.2349

# Complementary

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



47.6467, 0.4362, 0.4272



25.3834, 0.2074, 0.1981

# 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.



47.6467, 0.2368, 0.2176



47.6467, 0.4362, 0.4272



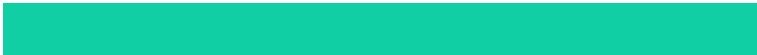
47.6467, 0.1849, 0.2564

# Square

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



47.6467, 0.4362, 0.4272



47.6467, 0.2448, 0.3968



47.6467, 0.1973, 0.2234



47.6467, 0.3763, 0.2714



# Rectangle

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



47.6467, 0.4362, 0.4272



47.6467, 0.3345, 0.4628



47.6467, 0.1973, 0.2234



47.6467, 0.2770, 0.2268

# Sweetspot

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



47.6490, 0.4362, 0.4272



86.4577, 0.3445, 0.3597



24.6442, 0.4361, 0.2724



18.1019, 0.3499, 0.3646



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.



47.6490, 0.4362, 0.4272



56.3018, 0.4636, 0.4387



69.0176, 0.3851, 0.4820



15.8829, 0.3277, 0.3439



21.3600, 0.5020, 0.4396



1.7541, 0.4868, 0.4517



# Inverse Universe

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



25.3834, 0.2074, 0.1981



25.2983, 0.1886, 0.1665



14.9914, 0.2034, 0.1336



14.7473, 0.2981, 0.3137



7.0595, 0.1659, 0.1171



0.6941, 0.1740, 0.1464



# Previews

## White Background



This preview shows how the Yxy color 47.6467, 0.4362, 0.4272 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 47.6467, 0.4362, 0.4272 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 47.6467, 0.4362, 0.4272**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.6467, 0.4362, 0.4272.



This preview shows how white text looks on a background with the Yxy color 47.6467, 0.4362, 0.4272.

# 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

47.6467, 0.4362, 0.4272

### Protanopia

47.8229, 0.4064, 0.4437

### Deuteranopia

47.6467, 0.4362, 0.4272



## Tritanopia

47.5770, 0.3670, 0.3156

# Trichromacy



## Original Color

47.6467, 0.4362, 0.4272

## Protanomaly

47.7329, 0.4166, 0.4381

## Deuteranomaly

47.6467, 0.4362, 0.4272

## Tritanomaly

47.3785, 0.3943, 0.3580

# Monochromacy



## Original Color

47.6467, 0.4362, 0.4272

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.7554, 0.3579, 0.3717

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6467, 0.4362, 0.4272 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(227, 175, 85)` looks like.

```
.text, #text, p{  
    color:rgb(227, 175, 85)  
}
```

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(227, 175, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 175, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6467, 0.4362, 0.4272 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(227, 175, 85) }
```

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

```
.border{ border-color:rgb(227, 175, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 175, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 175, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 175, 85);  
box-shadow:4px 4px 4px 4px rgb(227, 175,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6467, 0.4362, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 175, 85) }
```

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

```
.background{ background-color: rgb(227,  
175, 85) }
```

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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