

# Converting Colors

$Yxy(50.2215, 0.4387, 0.4190)$

Have a look what the booklet for  
Yxy(50.2215, 0.4387, 0.4190)  
contains.

<b>Yxy(50.2215, 0.4387, 0.4190)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(50.2215, 0.4387, 0.4190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDB15C
RGB	237, 177, 92
RGB Percent	93%, 69%, 36%
CMY	0.0706, 0.3059, 0.6391
CMYK	0.00, 0.25, 0.61, 0.07
HSL	35°, 80%, 65%
HSV	35°, 61%, 93%
XYZ	52.5827, 50.2215, 17.0561
YIQ	185.2500, 63.0450, -13.7150

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 237, 92
Decimal	15577436
CIELab	76.21, 13.03, 51.16
CIELCh	76, 52.793, 75.716
Yxy	50.2215, 0.4387, 0.4190
Android (android.graphics.Color)	4293767516 (0xFFEDB15C)
YUV	185.2500, -45.9723, 45.3847
Hunter-Lab	70.8671, 8.4279, 35.3372

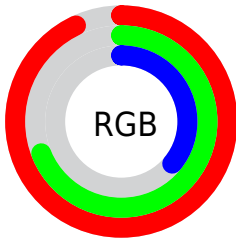
# Details

The Yxy color **50.2215, 0.4387, 0.4190** is a light color, and the websafe version is hex **FFCC66**.

The color can be described as light muted orange. A complement of this color would be **30.8648, 0.2115, 0.2110**, and the grayscale version is **48.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5822, 0.3859, 0.4170**, and **24.2923, 0.4677, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **46.1346, 0.4624, 0.4281**, and if you desaturate by 10%, it is **54.7217, 0.4146, 0.4066**.

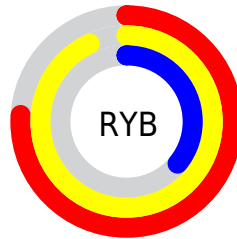
# Distribution



Red (93%)

Green (69%)

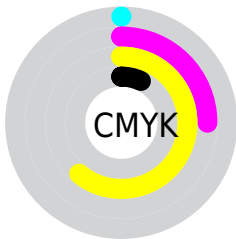
Blue (36%)



Red (76%)

Yellow (93%)

Blue (36%)

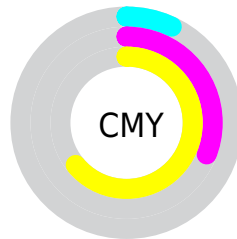


Cyan (0%)

Magenta (25%)

Yellow (61%)

Black (7%)



Cyan (7%)

Magenta (31%)


Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2215, 0.4387, 0.4190 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 50.2215, 0.4387, 0.4190 by changing the saturation by 10% instead.





 50.2215, 0.4387,  
0.4190

 50.2215, 0.4387,  
0.4190


387.5315, 0.3786,  
0.3792

 35.5894, 0.4520,  
0.4267


 90.5030, 0.4180,  
0.4061

 24.1173, 0.4679,  
0.4353


 116.9212, 0.4098,  
0.4007

 15.4206, 0.4867,  
0.4441

 148.0368, 0.4028,  
0.3960

 9.1151, 0.5088,  
0.4522

 184.2344, 0.3967,  
0.3919

 4.8164, 0.5391,  
0.4609

225.8983, 0.3913,  
0.3882

 2.1399, 0.5544,  
0.4456

273.4128, 0.3866,

 0.6869, 0.5873,

0.3848

0.4127

327.1624, 0.3824,  
0.3819

0.0000, 0.0000,  
0.0000

50.2215, 0.4387,  
0.4190

50.2215, 0.4387,  
0.4190

46.1346, 0.4624,  
0.4281

54.7217, 0.4146,  
0.4066

42.4351, 0.4844,  
0.4326

59.6442, 0.3912,  
0.3921

39.1045, 0.5035,  
0.4319


65.0069, 0.3691,  
0.3765


36.4427, 0.5176,  
0.4272

70.8240, 0.3489,  
0.3608

77.1089, 0.3307,  
0.3454

 83.8742, 0.3145,  
0.3307

 90.9409, 0.3018,  
0.3197

 96.7462, 0.3017,  
0.3290

# Harmonies

## Analogous

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



50.2215, 0.4555, 0.3673



50.2215, 0.4387, 0.4190



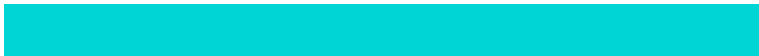
50.2215, 0.3880, 0.4557

# Triad

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



50.2215, 0.4387, 0.4190



50.2215, 0.2074, 0.3289



50.2215, 0.2914, 0.2334

# Complementary

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



50.2215, 0.4387, 0.4190



30.8648, 0.2115, 0.2110

# 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.



50.2215, 0.2318, 0.2193



50.2215, 0.4387, 0.4190



50.2215, 0.1880, 0.2649

# Square

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



50.2215, 0.4387, 0.4190



50.2215, 0.2544, 0.4047



50.2215, 0.1966, 0.2286



50.2215, 0.3649, 0.2670



# Rectangle

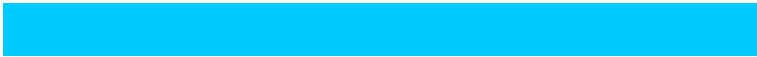
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2215, 0.4387, 0.4190



50.2215, 0.3438, 0.4608



50.2215, 0.1966, 0.2286



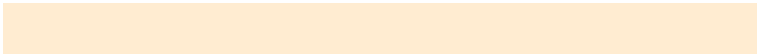
50.2215, 0.2692, 0.2264

# Sweetspot

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



50.2240, 0.4387, 0.4190



85.8593, 0.3431, 0.3559



27.9490, 0.4220, 0.2653



17.9252, 0.3486, 0.3605



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.



50.2240, 0.4387, 0.4190



53.5065, 0.4673, 0.4295



77.3433, 0.3897, 0.4765



16.5211, 0.3278, 0.3428



20.1596, 0.5155, 0.4289



1.7720, 0.4986, 0.4423



# Inverse Universe

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



30.8648, 0.2115, 0.2110



29.0084, 0.1942, 0.1832



16.7265, 0.2010, 0.1353



15.5732, 0.2980, 0.3148



8.3629, 0.1696, 0.1307



0.8423, 0.1772, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 50.2215, 0.4387, 0.4190 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 50.2215, 0.4387, 0.4190 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 50.2215, 0.4387, 0.4190**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2215, 0.4387, 0.4190.



This preview shows how white text looks on a background with the Yxy color 50.2215, 0.4387, 0.4190.

# 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

50.2215, 0.4387, 0.4190

### Protanopia

50.2209, 0.4021, 0.4380

### Deuteranopia

50.1513, 0.4335, 0.4239



## Tritanopia

50.1658, 0.3727, 0.3150

# Trichromacy



**Original Color**

50.2215, 0.4387, 0.4190

**Protanomaly**

50.1673, 0.4155, 0.4305

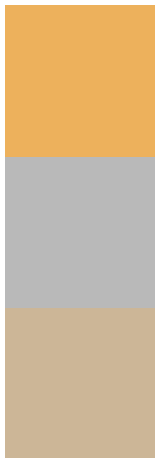
**Deuteranomaly**

50.0885, 0.4360, 0.4221

**Tritanomaly**

49.9647, 0.3989, 0.3547

# Monochromacy



**Original Color**

50.2215, 0.4387, 0.4190

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

48.5276, 0.3580, 0.3679

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.2215, 0.4387, 0.4190 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, 177, 92)` looks like.

```
.text, #text, p{  
    color:rgb(237, 177, 92)  
}
```

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, 177, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 177, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2215, 0.4387, 0.4190 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, 177, 92) }
```

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

```
.border{ border-color:rgb(237, 177, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 177, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 177, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 177, 92);  
box-shadow:4px 4px 4px 4px rgb(237, 177,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2215, 0.4387, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 177, 92) }
```

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

```
.background{ background-color: rgb(237,  
177, 92) }
```

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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