

# Converting Colors

$Yxy(52.0867, 0.4217, 0.4190)$

Have a look what the booklet for  
Yxy(52.0867, 0.4217, 0.4190)  
contains.

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# Color

**Yxy(52.2292, 0.4213, 0.4191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7B866
RGB	231, 184, 102
RGB Percent	91%, 72%, 40%
CMY	0.0940, 0.2785, 0.5999
CMYK	0.00, 0.20, 0.56, 0.09
HSL	38°, 73%, 65%
HSV	38°, 56%, 91%
XYZ	52.5034, 52.2292, 19.8897
YIQ	188.7050, 54.3340, -15.5380

# Conversions

## Conversions Part 2

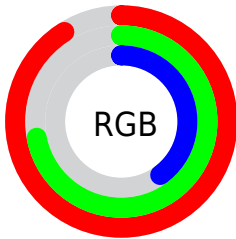
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 231, 102
Decimal	15186022
CIE <sub>Lab</sub>	77.42, 7.59, 47.58
CIE <sub>LCh</sub>	77, 48.187, 80.935
Yxy	52.2292, 0.4213, 0.4191
Android (android.graphics.Color)	4293376102 (0xFFE7B866)
YUV	188.7050, -42.7456, 37.0927
Hunter-Lab	72.2698, 3.2066, 34.2714

# Details

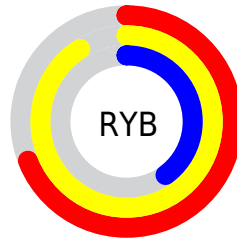
The Yxy color **52.2292, 0.4213, 0.4191** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.1143, 0.2181, 0.2142**, and the grayscale version is **50.9409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9467, 0.3770, 0.4137**, and **25.2423, 0.4465, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **48.4388, 0.4434, 0.4311**, and if you desaturate by 10%, it is **56.3608, 0.3991, 0.4044**.

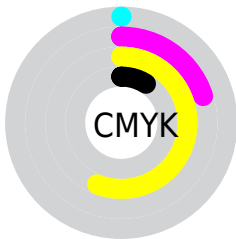
# Distribution



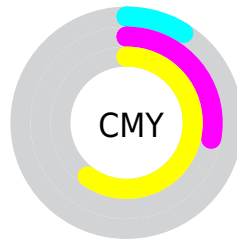
- Red (91%)
- Green (72%)
- Blue (40%)



- Red (69%)
- Yellow (91%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (56%)
- Black (9%)




- Cyan (9%)
- Magenta (28%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2292, 0.4213, 0.4191 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 52.2292, 0.4213, 0.4191 by changing the saturation by 10% instead.





 52.2292, 0.4213,  
0.4191

 52.2292, 0.4213,  
0.4191


395.3208, 0.3697,  
0.3780


 37.1878, 0.4328,  
0.4277


 93.4692, 0.4035,  
0.4053


 25.3529, 0.4466,  
0.4376


 120.4365, 0.3965,  
0.3998

 16.3402, 0.4631,  
0.4488


 152.1480, 0.3905,  
0.3950

 9.7652, 0.4826,  
0.4607

 188.9880, 0.3852,  
0.3907

 5.2436, 0.5171,  
0.4829

231.3409, 0.3806,  
0.3870

 2.3909, 0.5258,  
0.4742

279.5910, 0.3766,

 0.8212, 0.5421,

0.3836

0.4579

334.1229, 0.3729,  
0.3807

0.0000, 0.0000,  
0.0000

52.2292, 0.4213,  
0.4191

52.2292, 0.4213,  
0.4191

48.4388, 0.4434,  
0.4311

56.3608, 0.3991,  
0.4044

44.9676, 0.4642,  
0.4392

60.8392, 0.3775,  
0.3881

41.8017, 0.4825,  
0.4425

65.6792, 0.3573,  
0.3712

38.9216, 0.4976,  
0.4405

70.8919, 0.3386,  
0.3544

37.7962, 0.5033,  
0.4386

76.4883, 0.3218,  
0.3381

■ 82.4782, 0.3066,  
0.3227

■ 88.2952, 0.2981,  
0.3169

■ 93.4532, 0.2982,  
0.3254

■ 95.7350, 0.2982,  
0.3290

# Harmonies

## Analogous

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



52.2292, 0.4420, 0.3739



52.2292, 0.4213, 0.4191



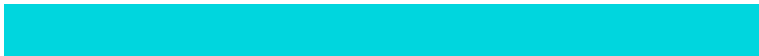
52.2292, 0.3720, 0.4462

# Triad

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



52.2292, 0.4213, 0.4191



52.2292, 0.2119, 0.3182



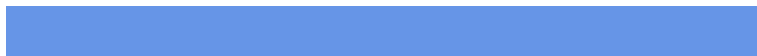
52.2292, 0.3049, 0.2458

# Complementary

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



52.2292, 0.4213, 0.4191



30.1143, 0.2181, 0.2142

# 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.



52.2292, 0.2473, 0.2295



52.2292, 0.4213, 0.4191



52.2292, 0.1983, 0.2639

# Square

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



52.2292, 0.4213, 0.4191



52.2292, 0.2513, 0.3855



52.2292, 0.2105, 0.2345



52.2292, 0.3713, 0.2794



# Rectangle

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



52.2292, 0.4213, 0.4191



52.2292, 0.3308, 0.4447



52.2292, 0.2105, 0.2345



52.2292, 0.2839, 0.2382

# Sweetspot

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



52.2317, 0.4213, 0.4191



87.8413, 0.3409, 0.3565



28.6826, 0.4164, 0.2766



18.5141, 0.3445, 0.3598



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.



52.2317, 0.4213, 0.4191



59.9090, 0.4466, 0.4326



72.4032, 0.3797, 0.4685



15.8870, 0.3277, 0.3439



21.4258, 0.5016, 0.4400



1.7586, 0.4864, 0.4520



# Inverse Universe

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



30.1143, 0.2181, 0.2142



29.8091, 0.1997, 0.1857



19.2167, 0.2164, 0.1550



14.7434, 0.2981, 0.3136



7.0256, 0.1658, 0.1167



0.6913, 0.1739, 0.1459



# Previews

## White Background



This preview shows how the Yxy color 52.2292, 0.4213, 0.4191 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 52.2292, 0.4213, 0.4191 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 52.2292, 0.4213, 0.4191**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2292, 0.4213, 0.4191.



This preview shows how white text looks on a background with the Yxy color 52.2292, 0.4213, 0.4191.

# 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

52.2292, 0.4213, 0.4191

### Protanopia

52.5681, 0.3963, 0.4316

### Deuteranopia

52.4884, 0.4255, 0.4167



## Tritanopia

52.0371, 0.3591, 0.3147

# Trichromacy



**Original Color**

52.2292, 0.4213, 0.4191

**Protanomaly**

52.3001, 0.4050, 0.4270

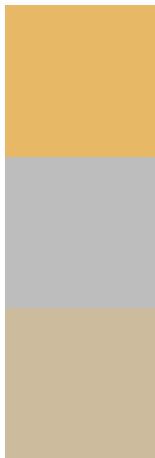
**Deuteranomaly**

52.3187, 0.4246, 0.4171

**Tritanomaly**

51.9033, 0.3832, 0.3541

# Monochromacy



**Original Color**

52.2292, 0.4213, 0.4191

**Achromatopsia**

50.8881, 0.3127, 0.3290

**Achromatomaly**

50.8123, 0.3515, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2292, 0.4213, 0.4191 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(231, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(231, 184, 102)  
}
```

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(231, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 184, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2292, 0.4213, 0.4191 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(231, 184, 102) }
```

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

```
.border{ border-color:rgb(231, 184, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 184, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 184, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 184, 102);  
box-shadow:4px 4px 4px 4px rgb(231, 184,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2292, 0.4213, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 184, 102) }
```

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

```
.background{ background-color: rgb(231,  
184, 102) }
```

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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