

# Converting Colors

$Yxy(65.9337, 0.3719, 0.4092)$

Have a look what the booklet for  
Yxy(65.9337, 0.3719, 0.4092)  
contains.

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# Color

**Yxy(66.0537, 0.3721, 0.4097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D68E
RGB	225, 214, 142
RGB Percent	88%, 84%, 56%
CMY	0.1175, 0.1608, 0.4431
CMYK	0.00, 0.05, 0.37, 0.12
HSL	52°, 58%, 72%
HSV	52°, 37%, 88%
XYZ	59.9917, 66.0537, 35.1792
YIQ	209.0810, 29.6680, -20.0600

# Conversions

## Conversions Part 2

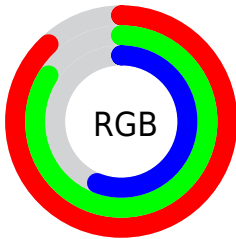
Format	Color
<b>RYB</b>	155, 225, 142
Decimal	14800526
CIELab	85.02, -6.55, 36.94
CIELCh	85, 37.518, 100.053
Yxy	66.0537, 0.3721, 0.4097
Android (android.graphics.Color)	4292990606 (0xFFE1D68E)
YUV	209.0810, -33.0709, 13.9610
Hunter-Lab	81.2734, -10.4694, 31.2277

# Details

The Yxy color **66.0537, 0.3721, 0.4097** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.9923, 0.2475, 0.2327**, and the grayscale version is **64.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7655, 0.3478, 0.3870**, and **33.8764, 0.3846, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **63.9447, 0.3885, 0.4304**, and if you desaturate by 10%, it is **68.3331, 0.3554, 0.3878**.

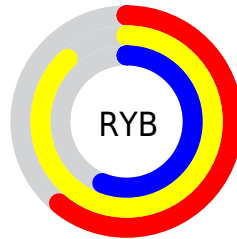
# Distribution



Red (88%)

Green (84%)

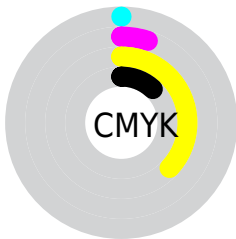
Blue (56%)



Red (61%)

Yellow (88%)

Blue (56%)

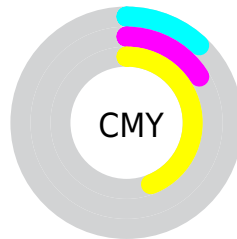


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (12%)



Cyan (12%)

Magenta (16%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0537, 0.3721, 0.4097 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 66.0537, 0.3721, 0.4097 by changing the saturation by 10% instead.




 66.0537, 0.3721,  
0.4097


 66.0537, 0.3721,  
0.4097


446.5689, 0.3450,  
0.3718

 48.3160, 0.3780,  
0.4183


 113.5634, 0.3629,  
0.3965

 34.0772, 0.3852,  
0.4289


 144.1042, 0.3592,  
0.3914

 22.9529, 0.3939,  
0.4422


179.6815, 0.3560,  
0.3870

 14.5587, 0.4045,  
0.4590

220.6796, 0.3533,  
0.3831

 8.5103, 0.4172,  
0.4806

267.4830, 0.3508,  
0.3798

 4.4232, 0.4360,  
0.5137

320.4761, 0.3487,

 1.9130, 0.4498,

0.3768

0.5502

380.0433, 0.3467,  
0.3741

■ 0.5562, 0.3987,  
0.6013

■ 0.0000, 0.0000,  
0.0000

■ 66.0537, 0.3721,  
0.4097

■ 66.0537, 0.3721,  
0.4097

■ 63.9447, 0.3885,  
0.4304

■ 68.3331, 0.3554,  
0.3878

■ 61.9886, 0.4039,  
0.4489

■ 70.7816, 0.3389,  
0.3655

■ 60.1792, 0.4176,  
0.4641

■ 73.4094, 0.3231,  
0.3436

■ 58.5060, 0.4291,  
0.4754

■ 76.2231, 0.3082,  
0.3226

■ 56.9566, 0.4378,  
0.4821

■ 79.2290, 0.2944,  
0.3027

■ 55.5152, 0.4437,  
0.4844

■ 80.9319, 0.2942,  
0.3054

■ 55.0823, 0.4452,  
0.4847

■ 82.6331, 0.2942,  
0.3085

■ 84.3633, 0.2943,  
0.3116

■ 86.1225, 0.2944,  
0.3147

# Harmonies

## Analogous

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



66.0537, 0.4004, 0.3862



66.0537, 0.3721, 0.4097



66.0537, 0.3289, 0.4107

# Triad

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



66.0537, 0.3721, 0.4097



66.0537, 0.2290, 0.2957



66.0537, 0.3384, 0.2819

# Complementary

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



66.0537, 0.3721, 0.4097



33.9923, 0.2475, 0.2327

# 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.



66.0537, 0.2911, 0.2605



66.0537, 0.3721, 0.4097



66.0537, 0.2310, 0.2658

# Square

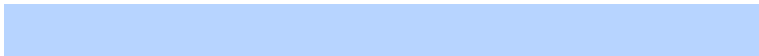
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.0537, 0.3721, 0.4097



66.0537, 0.2474, 0.3396



66.0537, 0.2527, 0.2543



66.0537, 0.3811, 0.3141



# Rectangle

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



66.0537, 0.3721, 0.4097



66.0537, 0.2980, 0.3957



66.0537, 0.2527, 0.2543



66.0537, 0.3224, 0.2733

# Sweetspot

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



66.0567, 0.3721, 0.4097



95.9633, 0.3296, 0.3527



37.6646, 0.3902, 0.3161



20.4381, 0.3318, 0.3557



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.



66.0567, 0.3721, 0.4097



85.5926, 0.3843, 0.4252



67.3784, 0.3446, 0.4282



15.7019, 0.3270, 0.3491



31.8503, 0.4448, 0.4850



2.2952, 0.4403, 0.4886



# Inverse Universe

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



33.9923, 0.2475, 0.2327



37.4070, 0.2325, 0.2095



33.6078, 0.2699, 0.2246



13.5360, 0.2981, 0.3080



3.7626, 0.1530, 0.0707



0.3572, 0.1591, 0.0927



# Previews

## White Background



This preview shows how the Yxy color 66.0537, 0.3721, 0.4097 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 66.0537, 0.3721, 0.4097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

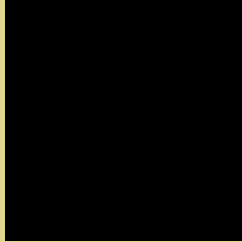
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.0537, 0.3721, 0.4097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0537, 0.3721, 0.4097.



This preview shows how white text looks on a background with the Yxy color 66.0537, 0.3721, 0.4097.

# 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

66.0537, 0.3721, 0.4097

### Protanopia

65.8330, 0.3776, 0.4076

### Deuteranopia

65.7963, 0.3990, 0.3903



## Tritanopia

65.8455, 0.3242, 0.3119

# Trichromacy



## Original Color

66.0537, 0.3721, 0.4097

## Protanomaly

66.0056, 0.3756, 0.4091

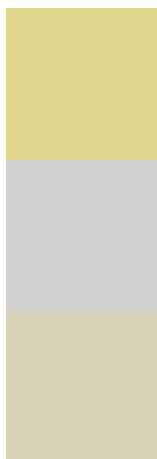
## Deuteranomaly

65.6635, 0.3889, 0.3975

## Tritanomaly

65.9064, 0.3421, 0.3467

# Monochromacy



## Original Color

66.0537, 0.3721, 0.4097

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.5384, 0.3341, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0537, 0.3721, 0.4097 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(225, 214, 142)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 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(225, 214, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0537, 0.3721, 0.4097 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(225, 214, 142) }
```

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

```
.border{ border-color:rgb(225, 214, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 214, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 214, 142); box-shadow:4px 4px 4px 4px rgb(225, 214, 142) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0537, 0.3721, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 142) }
```

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

```
.background{ background-color: rgb(225,  
214, 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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