

# Converting Colors

$Yxy(67.1894, 0.3786, 0.4220)$

Have a look what the booklet for  
Yxy(67.1894, 0.3786, 0.4220)  
contains.

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# Color

**Yxy(66.9464, 0.3788, 0.4221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D884
RGB	226, 216, 132
RGB Percent	89%, 85%, 52%
CMY	0.1138, 0.1529, 0.4824
CMYK	0.00, 0.04, 0.42, 0.11
HSL	54°, 62%, 70%
HSV	54°, 42%, 89%
XYZ	60.0789, 66.9464, 31.5779
YIQ	209.4140, 32.9240, -24.0040

# Conversions

## Conversions Part 2

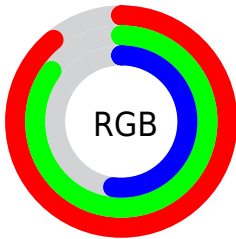
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 226, 132
Decimal	14866564
CIELab	85.48, -8.29, 42.58
CIELCh	85, 43.376, 101.024
Yxy	66.9464, 0.3788, 0.4221
Android (android.graphics.Color)	4293056644 (0xFFE2D884)
YUV	209.4140, -38.1651, 14.5459
Hunter-Lab	81.8208, -12.1184, 34.3922

# Details

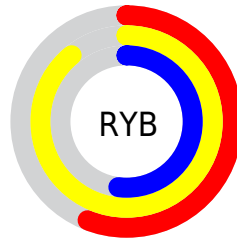
The Yxy color **66.9464, 0.3788, 0.4221** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.7245, 0.2375, 0.2145**, and the grayscale version is **64.2822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **34.5188, 0.3925, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **65.1776, 0.3942, 0.4423**, and if you desaturate by 10%, it is **68.8733, 0.3626, 0.4001**.

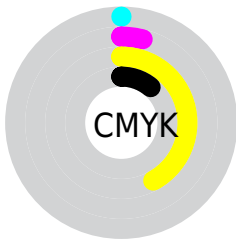
# Distribution



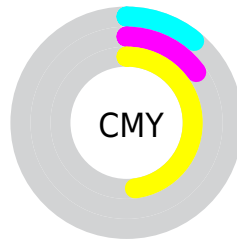
- Red (89%)
- Green (85%)
- Blue (52%)



- Red (56%)
- Yellow (89%)
- Blue (52%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (11%)




- Cyan (11%)
- Magenta (15%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9464, 0.3788, 0.4221 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 66.9464, 0.3788, 0.4221 by changing the saturation by 10% instead.




 66.9464, 0.3788,  
0.4221

 66.9464, 0.3788,  
0.4221


449.7540, 0.3491,  
0.3785


 49.0411, 0.3851,  
0.4319

 114.8436, 0.3688,  
0.4071

 34.6521, 0.3926,  
0.4438


 145.6043, 0.3648,  
0.4012

 23.3950, 0.4015,  
0.4585


 181.4188, 0.3613,  
0.3961

 14.8854, 0.4120,  
0.4768

222.6717, 0.3583,  
0.3917

 8.7390, 0.4237,  
0.4997

269.7472, 0.3556,  
0.3878

 4.5713, 0.4468,  
0.5420

323.0299, 0.3532,

 1.9980, 0.4403,

0.3844

0.5597

382.9040, 0.3510,  
0.3813

0.6063, 0.3814,  
0.6186

0.0000, 0.0000,  
0.0000

66.9464, 0.3788,  
0.4221

66.9464, 0.3788,  
0.4221

65.1776, 0.3942,  
0.4423

68.8733, 0.3626,  
0.4001

63.5487, 0.4081,  
0.4597


70.9570, 0.3463,  
0.3774

62.0531, 0.4200,  
0.4735


73.2081, 0.3303,  
0.3546


60.6794, 0.4293,  
0.4829

75.6333, 0.3151,  
0.3324


 59.4141, 0.4358,  
0.4879

 78.2393, 0.3007,  
0.3113

 58.4158, 0.4395,  
0.4892

 80.1959, 0.2948,  
0.3038

 81.5417, 0.2948,  
0.3063

 82.9058, 0.2948,  
0.3088

 84.2885, 0.2949,  
0.3112

# Harmonies

## Analogous

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



66.9464, 0.4126, 0.3946



66.9464, 0.3788, 0.4221



66.9464, 0.3289, 0.4234

# Triad

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



66.9464, 0.3788, 0.4221



66.9464, 0.2173, 0.2887



66.9464, 0.3438, 0.2764

# Complementary

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



66.9464, 0.3788, 0.4221



29.7245, 0.2375, 0.2145

# 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.



66.9464, 0.2893, 0.2519



66.9464, 0.3788, 0.4221



66.9464, 0.2203, 0.2558

# Square

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



66.9464, 0.3788, 0.4221



66.9464, 0.2370, 0.3390



66.9464, 0.2454, 0.2440



66.9464, 0.3928, 0.3128



# Rectangle

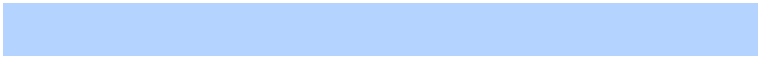
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.9464, 0.3788, 0.4221



66.9464, 0.2936, 0.4056



66.9464, 0.2454, 0.2440



66.9464, 0.3253, 0.2667

# Sweetspot

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



66.9495, 0.3788, 0.4221



96.1310, 0.3311, 0.3557



34.6447, 0.4069, 0.3164



20.4902, 0.3332, 0.3587



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.



66.9495, 0.3788, 0.4221



86.0015, 0.3923, 0.4399



66.9874, 0.3469, 0.4420



15.7682, 0.3270, 0.3498



33.4381, 0.4392, 0.4895



2.3900, 0.4357, 0.4922



# Inverse Universe

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



29.7245, 0.2375, 0.2145



30.8257, 0.2195, 0.1858



30.3139, 0.2644, 0.2102



13.4760, 0.2981, 0.3074



3.5868, 0.1522, 0.0677



0.3286, 0.1573, 0.0864



# Previews

## White Background



This preview shows how the Yxy color 66.9464, 0.3788, 0.4221 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

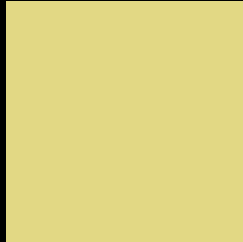
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.9464, 0.3788, 0.4221 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

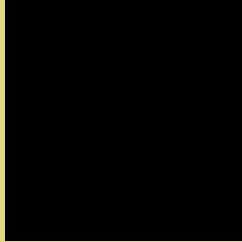
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.9464, 0.3788, 0.4221**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9464, 0.3788, 0.4221.



This preview shows how white text looks on a background with the Yxy color 66.9464, 0.3788, 0.4221.

# 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

66.9464, 0.3788, 0.4221

### Protanopia

67.0555, 0.3860, 0.4192

### Deuteranopia

66.8756, 0.4003, 0.3940



## Tritanopia

66.7160, 0.3249, 0.3120

# Trichromacy



## Original Color

66.9464, 0.3788, 0.4221

## Protanomaly

67.0626, 0.3831, 0.4210

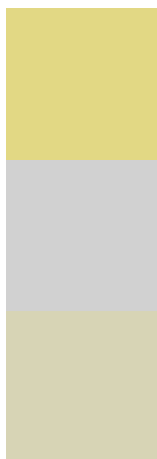
## Deuteranomaly

66.6690, 0.3924, 0.4044

## Tritanomaly

66.4309, 0.3449, 0.3511

# Monochromacy



## Original Color

66.9464, 0.3788, 0.4221

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.8702, 0.3368, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9464, 0.3788, 0.4221 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(226, 216, 132)` looks like.

```
.text, #text, p{  
    color:rgb(226, 216, 132)  
}
```

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(226, 216, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 216, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9464, 0.3788, 0.4221 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(226, 216, 132) }
```

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

```
.border{ border-color:rgb(226, 216, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 216, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 216, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 216, 132);  
box-shadow:4px 4px 4px 4px rgb(226, 216,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9464, 0.3788, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 216, 132) }
```

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

```
.background{ background-color: rgb(226,  
216, 132) }
```

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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