

# Converting Colors

$Yxy(65.5199, 0.3937, 0.4405)$

Have a look what the booklet for  
Yxy(65.5199, 0.3937, 0.4405)  
contains.

<b>Yxy(65.5717, 0.3938, 0.4407)</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(65.5717, 0.3938, 0.4407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D66F
RGB	227, 214, 111
RGB Percent	89%, 84%, 44%
CMY	0.1099, 0.1608, 0.5645
CMYK	0.00, 0.06, 0.51, 0.11
HSL	53°, 67%, 66%
HSV	53°, 51%, 89%
XYZ	58.5935, 65.5717, 24.6247
YIQ	206.1450, 40.8110, -29.2770

# Conversions

## Conversions Part 2

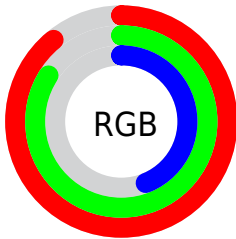
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 227, 111
Decimal	14931567
CIELab	84.78, -8.85, 51.90
CIElCh	85, 52.650, 99.672
Yxy	65.5717, 0.3938, 0.4407
Android (android.graphics.Color)	4293121647 (0xFFE3D66F)
YUV	206.1450, -46.9065, 18.2898
Hunter-Lab	80.9764, -12.5483, 38.6535

# Details

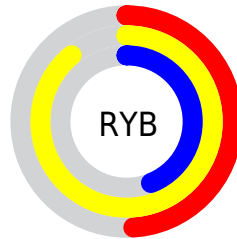
The Yxy color **65.5717, 0.3938, 0.4407** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.3540, 0.2181, 0.1843**, and the grayscale version is **62.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4966, 0.3661, 0.4172**, and **33.8924, 0.4087, 0.4660** is the 20% darker color. If you saturate the color by 10%, you get **63.8601, 0.4080, 0.4582**, and if you desaturate by 10%, it is **67.4365, 0.3782, 0.4205**.

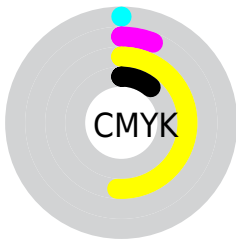
# Distribution



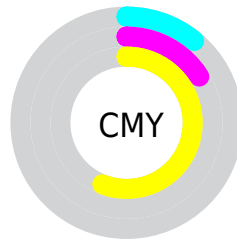
- Red (89%)
- Green (84%)
- Blue (44%)



- Red (49%)
- Yellow (89%)
- Blue (44%)



- Cyan (0%)
- Magenta (6%)
- Yellow (51%)
- Black (11%)




- Cyan (11%)
- Magenta (16%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5717, 0.3938, 0.4407 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 65.5717, 0.3938, 0.4407 by changing the saturation by 10% instead.





 65.5717, 0.3938,  
0.4407


 65.5717, 0.3938,  
0.4407


444.8436, 0.3579,  
0.3890


 47.9248, 0.4011,  
0.4520


 112.8714, 0.3820,  
0.4231


 33.7673, 0.4095,  
0.4654


 143.2930, 0.3772,  
0.4161

 22.7149, 0.4190,  
0.4815


 178.7416, 0.3730,  
0.4101

 14.3831, 0.4293,  
0.5007

 219.6016, 0.3692,  
0.4048

 8.3876, 0.4404,  
0.5244

266.2574, 0.3659,  
0.4001

 4.3440, 0.4488,  
0.5512

319.0934, 0.3630,

 1.8678, 0.4359,

0.3960

0.5641

378.4940, 0.3603,  
0.3923

0.5289, 0.3516,  
0.6484

0.0000, 0.0000,  
0.0000

65.5717, 0.3938,  
0.4407

65.5717, 0.3938,  
0.4407

63.8601, 0.4080,  
0.4582

67.4365, 0.3782,  
0.4205

62.2826, 0.4202,  
0.4721


69.4543, 0.3619,  
0.3986


60.8311, 0.4298,  
0.4818

71.6361, 0.3455,  
0.3759


59.4918, 0.4367,  
0.4869

73.9895, 0.3295,  
0.3533

 58.3706, 0.4408,  
0.4882

 76.5214, 0.3143,  
0.3313

 79.2384, 0.3000,  
0.3104

 81.1459, 0.2954,  
0.3053

 82.5850, 0.2955,  
0.3079

 84.0450, 0.2955,  
0.3106

# Harmonies

## Analogous

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



65.5717, 0.4346, 0.4040



65.5717, 0.3938, 0.4407



65.5717, 0.3336, 0.4470

# Triad

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



65.5717, 0.3938, 0.4407



65.5717, 0.1991, 0.2810



65.5717, 0.3470, 0.2643

# Complementary

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



65.5717, 0.3938, 0.4407



23.3540, 0.2181, 0.1843

# 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.



65.5717, 0.2809, 0.2364



65.5717, 0.3938, 0.4407



65.5717, 0.2017, 0.2415

# Square

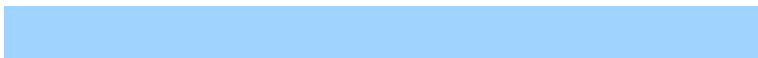
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.5717, 0.3938, 0.4407



65.5717, 0.2228, 0.3433



65.5717, 0.2298, 0.2275



65.5717, 0.4085, 0.3063



# Rectangle

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



65.5717, 0.3938, 0.4407



65.5717, 0.2911, 0.4266



65.5717, 0.2298, 0.2275



65.5717, 0.3243, 0.2532

# Sweetspot

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



65.5747, 0.3938, 0.4407



95.0752, 0.3359, 0.3623



29.1812, 0.4415, 0.3139



20.2110, 0.3393, 0.3671



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.



65.5747, 0.3938, 0.4407



83.0787, 0.4084, 0.4587



66.0907, 0.3528, 0.4686



16.5271, 0.3270, 0.3497



34.1553, 0.4404, 0.4885



2.6029, 0.4369, 0.4913



# Inverse Universe

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



23.3540, 0.2181, 0.1843



22.5886, 0.1978, 0.1510



23.9460, 0.2500, 0.1805



14.1456, 0.2980, 0.3074



3.7341, 0.1523, 0.0682



0.3629, 0.1574, 0.0866



# Previews

## White Background



This preview shows how the Yxy color 65.5717, 0.3938, 0.4407 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 65.5717, 0.3938, 0.4407 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 65.5717, 0.3938, 0.4407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5717, 0.3938, 0.4407.



This preview shows how white text looks on a background with the Yxy color 65.5717, 0.3938, 0.4407.

# 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

65.5717, 0.3938, 0.4407

### Protanopia

65.5364, 0.4004, 0.4377

### Deuteranopia

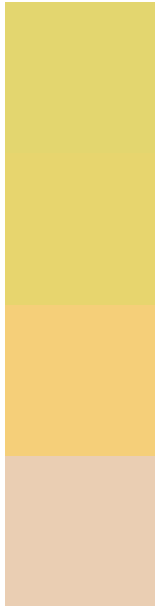
65.5042, 0.4122, 0.4065



## Tritanopia

65.4802, 0.3290, 0.3120

# Trichromacy



## Original Color

65.5717, 0.3938, 0.4407

## Protanomaly

65.7032, 0.3983, 0.4393

## Deuteranomaly

65.4186, 0.4060, 0.4188

## Tritanomaly

64.8897, 0.3547, 0.3589

# Monochromacy



## Original Color

65.5717, 0.3938, 0.4407

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

62.8373, 0.3439, 0.3733

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5717, 0.3938, 0.4407 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, 214, 111)` looks like.

```
.text, #text, p{  
    color:rgb(227, 214, 111)  
}
```

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, 214, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 214, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5717, 0.3938, 0.4407 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, 214, 111) }
```

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

```
.border{ border-color:rgb(227, 214, 111) }
```

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

Here you see how a box with a 4 pixel rgb(227, 214, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 214, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 214, 111);  
box-shadow:4px 4px 4px 4px rgb(227, 214,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5717, 0.3938, 0.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 214, 111) }
```

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

```
.background{ background-color: rgb(227,  
214, 111) }
```

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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