

# Converting Colors

Yxy(57.4752, 0.4161, 0.4140)

Have a look what the booklet for  
Yxy(57.4752, 0.4161, 0.4140)  
contains.

<b>Yxy(57.4168, 0.4160, 0.4135)</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(57.4168, 0.4160, 0.4135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0C071
RGB	240, 192, 113
RGB Percent	94%, 75%, 44%
CMY	0.0589, 0.2470, 0.5567
CMYK	0.00, 0.20, 0.53, 0.06
HSL	37°, 81%, 69%
HSV	37°, 53%, 94%
XYZ	57.7639, 57.4168, 23.6749
YIQ	197.3460, 53.9670, -14.3930

# Conversions

## Conversions Part 2

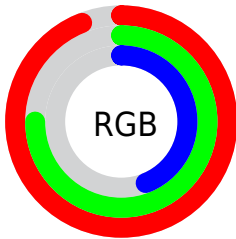
Format	Color
R <sub>Y</sub> B	190, 240, 113
Decimal	15777905
CIE Lab	80.41, 7.95, 45.97
CIE LCh	80, 46.647, 80.191
Yxy	57.4168, 0.4160, 0.4135
Android (android.graphics.Color)	4293967985 (0xFFFF0C071)
YUV	197.3460, -41.5826, 37.4076
Hunter-Lab	75.7739, 3.4698, 34.5171

# Details

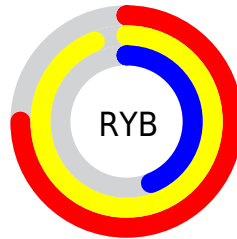
The Yxy color **57.4168, 0.4160, 0.4135** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.3030, 0.2234, 0.2235**, and the grayscale version is **56.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1480, 0.3676, 0.4102**, and **28.6368, 0.4395, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **53.0868, 0.4388, 0.4262**, and if you desaturate by 10%, it is **62.1408, 0.3934, 0.3985**.

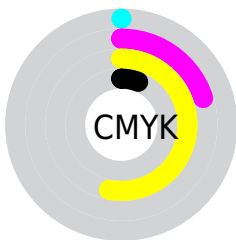
# Distribution



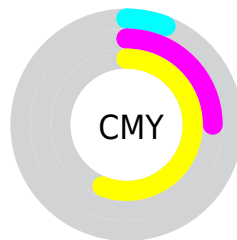
- Red (94%)
- Green (75%)
- Blue (44%)



- Red (75%)
- Yellow (94%)
- Blue (44%)



- Cyan (0%)
- Magenta (20%)
- Yellow (53%)
- Black (6%)




- Cyan (6%)
- Magenta (25%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4168, 0.4160, 0.4135 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 57.4168, 0.4160, 0.4135 by changing the saturation by 10% instead.





 57.4168, 0.4160,  
0.4135


 57.4168, 0.4160,  
0.4135


415.0093, 0.3674,  
0.3753

 41.3400, 0.4268,  
0.4215


 101.0731, 0.3993,  
0.4007

 28.5848, 0.4398,  
0.4308


 129.4214, 0.3927,  
0.3956

 18.7670, 0.4555,  
0.4414


 162.6289, 0.3870,  
0.3911

 11.5020, 0.4744,  
0.4532

201.0801, 0.3821,  
0.3872

 6.4056, 0.4995,  
0.4675

245.1593, 0.3778,  
0.3837

 3.0932, 0.5243,  
0.4757

295.2510, 0.3739,

 1.1806, 0.5378,

0.3806

0.4622

351.7395, 0.3705,  
0.3778

0.0458, 0.8384,  
0.1616

0.0000, 0.0000,  
0.0000

57.4168, 0.4160,  
0.4135

57.4168, 0.4160,  
0.4135

53.0868, 0.4388,  
0.4262

62.1408, 0.3934,  
0.3985

49.1265, 0.4607,  
0.4352


67.2649, 0.3719,  
0.3822


45.5209, 0.4805,  
0.4397


72.8055, 0.3519,  
0.3655

42.2492, 0.4972,  
0.4388

78.7752, 0.3336,  
0.3491

 40.1070, 0.5073,  
0.4354

 85.1859, 0.3171,  
0.3334

 91.9169, 0.3036,  
0.3206

 97.2627, 0.3035,  
0.3290

# Harmonies

## Analogous

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



57.4168, 0.4341, 0.3709



57.4168, 0.4160, 0.4135



57.4168, 0.3704, 0.4387

# Triad

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



57.4168, 0.4160, 0.4135



57.4168, 0.2183, 0.3208



57.4168, 0.3041, 0.2497

# Complementary

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



57.4168, 0.4160, 0.4135



35.3030, 0.2234, 0.2235

# 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.



57.4168, 0.2500, 0.2347



57.4168, 0.4160, 0.4135



57.4168, 0.2045, 0.2691

# Square

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



57.4168, 0.4160, 0.4135



57.4168, 0.2563, 0.3833



57.4168, 0.2155, 0.2403



57.4168, 0.3663, 0.2813



# Rectangle

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



57.4168, 0.4160, 0.4135



57.4168, 0.3317, 0.4373



57.4168, 0.2155, 0.2403



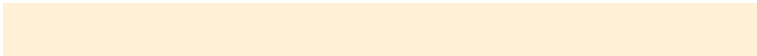
57.4168, 0.2844, 0.2426

# Sweetspot

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



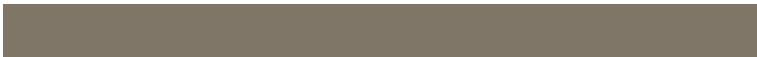
57.4196, 0.4160, 0.4135



88.1982, 0.3392, 0.3543



32.9423, 0.4057, 0.2765



18.5734, 0.3429, 0.3576



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.



57.4196, 0.4160, 0.4135



60.7837, 0.4395, 0.4265



79.5406, 0.3786, 0.4615



17.3968, 0.3278, 0.3437



22.2226, 0.5055, 0.4369



2.0396, 0.4911, 0.4483



# Inverse Universe

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



35.3030, 0.2234, 0.2235



33.0835, 0.2066, 0.1985



22.6900, 0.2205, 0.1639



16.2078, 0.2980, 0.3139



7.7486, 0.1667, 0.1200



0.8303, 0.1739, 0.1462



# Previews

## White Background



This preview shows how the Yxy color 57.4168, 0.4160, 0.4135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

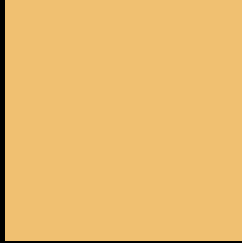
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.4168, 0.4160, 0.4135 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 57.4168, 0.4160, 0.4135**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.4168, 0.4160, 0.4135.



This preview shows how white text looks on a background with the Yxy color 57.4168, 0.4160, 0.4135.

# 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

57.4168, 0.4160, 0.4135

### Protanopia

57.6296, 0.3913, 0.4253

### Deuteranopia

57.6870, 0.4201, 0.4113



## Tritanopia

57.2156, 0.3572, 0.3142

# Trichromacy



**Original Color**

57.4168, 0.4160, 0.4135

**Protanomaly**

57.5012, 0.4005, 0.4207

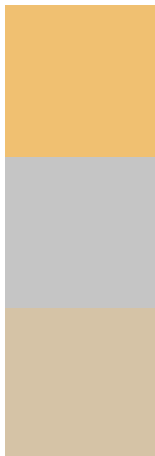
**Deuteranomaly**

57.5085, 0.4192, 0.4116

**Tritanomaly**

57.1041, 0.3795, 0.3510

# Monochromacy



**Original Color**

57.4168, 0.4160, 0.4135

**Achromatopsia**

55.8340, 0.3127, 0.3290

**Achromatomaly**

55.9295, 0.3501, 0.3636

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.4168, 0.4160, 0.4135 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(240, 192, 113)` looks like.

```
.text, #text, p{  
    color:rgb(240, 192, 113)  
}
```

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(240, 192, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 192, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 57.4168, 0.4160, 0.4135 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(240, 192, 113) }
```

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

```
.border{ border-color:rgb(240, 192, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 192, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 192, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 192, 113);  
box-shadow:4px 4px 4px 4px rgb(240, 192,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.4168, 0.4160, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 192, 113) }
```

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

```
.background{ background-color: rgb(240,  
192, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor