

# Converting Colors

$Y_{xy}(65.2756, 0.4056, 0.4283)$

Have a look what the booklet for  
Yxy(65.2756, 0.4056, 0.4283)  
contains.

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# Color

**Yxy(65.3411, 0.4054, 0.4288)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D172
RGB	240, 209, 114
RGB Percent	94%, 82%, 45%
CMY	0.0588, 0.1804, 0.5531
CMYK	0.00, 0.13, 0.53, 0.06
HSL	45°, 81%, 69%
HSV	45°, 53%, 94%
XYZ	61.7754, 65.3411, 25.2648
YIQ	207.4390, 48.9710, -22.9730

# Conversions

## Conversions Part 2

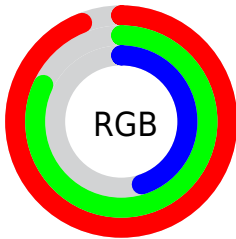
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 240, 114
Decimal	15782258
CIELab	84.66, -0.77, 50.65
CIELCh	85, 50.657, 90.869
Yxy	65.3411, 0.4054, 0.4288
Android (android.graphics.Color)	4293972338 (0xFFFF0D172)
YUV	207.4390, -46.0654, 28.5560
Hunter-Lab	80.8338, -5.0448, 38.0525

# Details

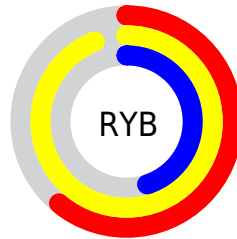
The Yxy color **65.3411, 0.4054, 0.4288** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.1120, 0.2194, 0.2015**, and the grayscale version is **62.9751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **33.6142, 0.4240, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **62.0232, 0.4235, 0.4440**, and if you desaturate by 10%, it is **68.9159, 0.3866, 0.4111**.

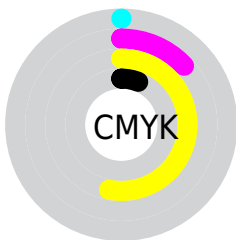
# Distribution



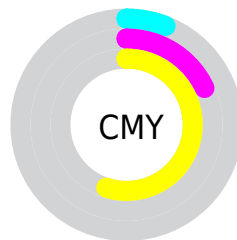
- Red (94%)
- Green (82%)
- Blue (45%)



- Red (61%)
- Yellow (94%)
- Blue (45%)



- Cyan (0%)
- Magenta (13%)
- Yellow (53%)
- Black (6%)




- Cyan (6%)
- Magenta (18%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3411, 0.4054, 0.4288 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 65.3411, 0.4054, 0.4288 by changing the saturation by 10% instead.





 65.3411, 0.4054,  
0.4288

 65.3411, 0.4054,  
0.4288

444.0167, 0.3636,  
0.3836

 47.7377, 0.4142,  
0.4384


 112.5401, 0.3914,  
0.4136

 33.6192, 0.4245,  
0.4496


 142.9045, 0.3858,  
0.4075

 22.6012, 0.4366,  
0.4629


 178.2914, 0.3809,  
0.4022

 14.2993, 0.4505,  
0.4781

219.0852, 0.3766,  
0.3976

 8.3292, 0.4663,  
0.4958

265.6702, 0.3728,  
0.3935

 4.3063, 0.4840,  
0.5160

318.4309, 0.3694,

 1.8463, 0.4829,

0.3898

0.5171

377.7516, 0.3663,  
0.3865

■ 0.5158, 0.4776,  
0.5224

■ 0.0000, 0.0000,  
0.0000

■ 65.3411, 0.4054,  
0.4288

■ 65.3411, 0.4054,  
0.4288

■ 62.0232, 0.4235,  
0.4440

■ 68.9159, 0.3866,  
0.4111

■ 58.9404, 0.4400,  
0.4555


■ 72.7499, 0.3678,  
0.3919


■ 56.0813, 0.4541,  
0.4626


■ 76.8563, 0.3496,  
0.3722


■ 53.4289, 0.4651,  
0.4647

■ 81.2450, 0.3324,  
0.3526

 51.5602, 0.4717,  
0.4637

 85.9249, 0.3165,  
0.3336

 90.7115, 0.3037,  
0.3186

 94.3310, 0.3036,  
0.3244

 97.2681, 0.3035,  
0.3290

# Harmonies

## Analogous

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



65.3411, 0.4362, 0.3888



65.3411, 0.4054, 0.4288



65.3411, 0.3513, 0.4448

# Triad

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



65.3411, 0.4054, 0.4288



65.3411, 0.2068, 0.2987



65.3411, 0.3266, 0.2568

# Complementary

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



65.3411, 0.4054, 0.4288



30.1120, 0.2194, 0.2015

# 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.



65.3411, 0.2656, 0.2347



65.3411, 0.4054, 0.4288



65.3411, 0.2019, 0.2532

# Square

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



65.3411, 0.4054, 0.4288



65.3411, 0.2374, 0.3625



65.3411, 0.2221, 0.2324



65.3411, 0.3895, 0.2943



# Rectangle

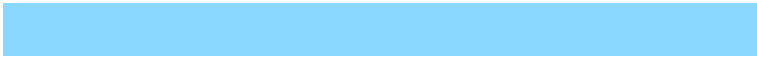
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.3411, 0.4054, 0.4288



65.3411, 0.3100, 0.4336



65.3411, 0.2221, 0.2324



65.3411, 0.3051, 0.2475

# Sweetspot

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



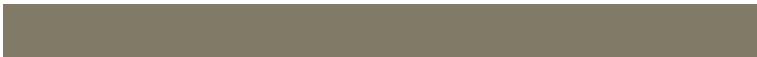
65.3442, 0.4054, 0.4288



91.4067, 0.3383, 0.3594



32.6142, 0.4262, 0.2951



19.3416, 0.3419, 0.3635



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

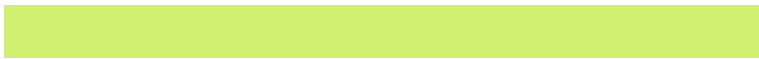
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3442, 0.4054, 0.4288



70.9166, 0.4247, 0.4449



77.0267, 0.3658, 0.4669



17.7617, 0.3274, 0.3467



28.4405, 0.4707, 0.4645



2.5207, 0.4625, 0.4710



# Inverse Universe

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



30.1120, 0.2194, 0.2015



26.6344, 0.2001, 0.1708



24.3825, 0.2338, 0.1702



15.8604, 0.2980, 0.3107



5.3340, 0.1578, 0.0881



0.5953, 0.1646, 0.1126



# Previews

## White Background



This preview shows how the Yxy color 65.3411, 0.4054, 0.4288 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 65.3411, 0.4054, 0.4288 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 65.3411, 0.4054, 0.4288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3411, 0.4054, 0.4288.



This preview shows how white text looks on a background with the Yxy color 65.3411, 0.4054, 0.4288.

# 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

65.3411, 0.4054, 0.4288

### Protanopia

65.6484, 0.3974, 0.4330

### Deuteranopia

65.0334, 0.4127, 0.4055



## Tritanopia

65.3320, 0.3420, 0.3135

# Trichromacy



## Original Color

65.3411, 0.4054, 0.4288

## Protanomaly

65.6592, 0.4003, 0.4311

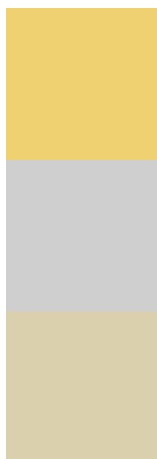
## Deuteranomaly

65.3918, 0.4105, 0.4144

## Tritanomaly

65.0082, 0.3671, 0.3559

# Monochromacy



## Original Color

65.3411, 0.4054, 0.4288

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.1889, 0.3466, 0.3693

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3411, 0.4054, 0.4288 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, 209, 114)` looks like.

```
.text, #text, p{  
    color:rgb(240, 209, 114)  
}
```

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, 209, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 209, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3411, 0.4054, 0.4288 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, 209, 114) }
```

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

```
.border{ border-color:rgb(240, 209, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 209, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 209, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 209, 114);  
box-shadow:4px 4px 4px 4px rgb(240, 209,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3411, 0.4054, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 209, 114) }
```

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

```
.background{ background-color: rgb(240,  
209, 114) }
```

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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