

# Converting Colors

$Yxy(68.5338, 0.4132, 0.4338)$

Have a look what the booklet for  
Yxy(68.5338, 0.4132, 0.4338)  
contains.

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# Color

**Yxy(68.6491, 0.4126, 0.4340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8D56D
RGB	248, 213, 109
RGB Percent	97%, 84%, 43%
CMY	0.0274, 0.1647, 0.5727
CMYK	0.00, 0.14, 0.56, 0.03
HSL	45°, 91%, 70%
HSV	45°, 56%, 97%
XYZ	65.2641, 68.6491, 24.2645
YIQ	211.6090, 54.2440, -24.9240

# Conversions

## Conversions Part 2

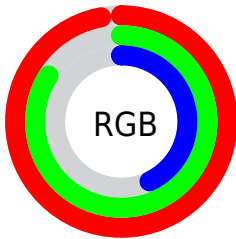
Format	Color
R <sub>Y</sub> B	156, 248, 109
Decimal	16307565
CIE Lab	86.33, 0.03, 55.18
CIE LCh	86, 55.176, 89.964
Yxy	68.6491, 0.4126, 0.4340
Android (android.graphics.Color)	4294497645 (0xFFF8D56D)
YUV	211.6090, -50.5862, 31.9149
Hunter-Lab	82.8548, -4.3926, 40.6349

# Details

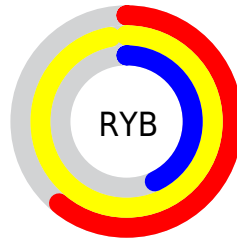
The Yxy color **68.6491, 0.4126, 0.4340** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.9552, 0.2129, 0.1920**, and the grayscale version is **65.8793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **35.9006, 0.4323, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **65.1120, 0.4304, 0.4479**, and if you desaturate by 10%, it is **72.4642, 0.3937, 0.4172**.

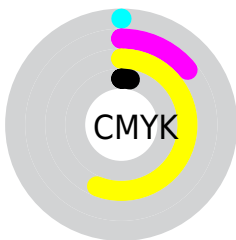
# Distribution



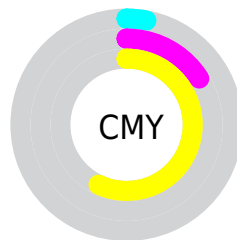
- Red (97%)
- Green (84%)
- Blue (43%)



- Red (61%)
- Yellow (97%)
- Blue (43%)



- Cyan (0%)
- Magenta (14%)
- Yellow (56%)
- Black (3%)




- Cyan (3%)
- Magenta (16%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6491, 0.4126, 0.4340 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 68.6491, 0.4126, 0.4340 by changing the saturation by 10% instead.




 68.6491, 0.4126,  
0.4340

 68.6491, 0.4126,  
0.4340


455.7924, 0.3683,  
0.3874


 50.4260, 0.4217,  
0.4436


 117.2802, 0.3979,  
0.4186

 35.7520, 0.4323,  
0.4547


 148.4571, 0.3920,  
0.4123

 24.2427, 0.4444,  
0.4674

 184.7206, 0.3868,  
0.4069

 15.5138, 0.4580,  
0.4816

 226.4552, 0.3822,  
0.4020

 9.1807, 0.4736,  
0.4981

274.0453, 0.3781,  
0.3978

 4.8593, 0.4874,  
0.5126

327.8752, 0.3745,

 2.1649, 0.4875,

0.3939

0.5125

388.3295, 0.3712,  
0.3905

0.7008, 0.4876,  
0.5124

0.0000, 0.0000,  
0.0000

68.6491, 0.4126,  
0.4340

68.6491, 0.4126,  
0.4340

65.1120, 0.4304,  
0.4479

72.4642, 0.3937,  
0.4172

61.8287, 0.4464,  
0.4578

76.5603, 0.3747,  
0.3985

58.7859, 0.4596,  
0.4630

80.9524, 0.3561,  
0.3789

55.9632, 0.4698,  
0.4632

85.6513, 0.3385,  
0.3593

■ 54.9018, 0.4732,  
0.4624

■ 90.6671, 0.3220,  
0.3402

■ 95.8308, 0.3085,  
0.3246

■ 98.6966, 0.3084,  
0.3290

# Harmonies

## Analogous

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



68.6491, 0.4450, 0.3902



68.6491, 0.4126, 0.4340



68.6491, 0.3552, 0.4535

# Triad

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



68.6491, 0.4126, 0.4340



68.6491, 0.2007, 0.2979



68.6491, 0.3252, 0.2514

# Complementary

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



68.6491, 0.4126, 0.4340



29.9552, 0.2129, 0.1920

# 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.



68.6491, 0.2606, 0.2286



68.6491, 0.4126, 0.4340



68.6491, 0.1949, 0.2489

# Square

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



68.6491, 0.4126, 0.4340



68.6491, 0.2336, 0.3670



68.6491, 0.2153, 0.2266



68.6491, 0.3931, 0.2904



# Rectangle

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



68.6491, 0.4126, 0.4340



68.6491, 0.3112, 0.4429



68.6491, 0.2153, 0.2266



68.6491, 0.3022, 0.2417

# Sweetspot

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



68.6524, 0.4126, 0.4340



90.7518, 0.3401, 0.3612



32.9600, 0.4357, 0.2909



19.2047, 0.3436, 0.3651



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.



68.6524, 0.4126, 0.4340



68.9917, 0.4322, 0.4491



82.7697, 0.3701, 0.4748



19.4076, 0.3275, 0.3467



29.8930, 0.4722, 0.4633



2.9368, 0.4645, 0.4694



# Inverse Universe

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



29.9552, 0.2129, 0.1920



24.3281, 0.1937, 0.1607



23.4020, 0.2254, 0.1577



17.3527, 0.2979, 0.3107



5.7333, 0.1581, 0.0889



0.6922, 0.1642, 0.1109



# Previews

## White Background



This preview shows how the Yxy color 68.6491, 0.4126, 0.4340 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 68.6491, 0.4126, 0.4340 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 68.6491, 0.4126, 0.4340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6491, 0.4126, 0.4340.



This preview shows how white text looks on a background with the Yxy color 68.6491, 0.4126, 0.4340.

# 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

68.6491, 0.4126, 0.4340

### Protanopia

68.5882, 0.4030, 0.4390

### Deuteranopia

68.3854, 0.3975, 0.3949



## Tritanopia

68.5108, 0.3430, 0.3138

# Trichromacy



## Original Color

68.6491, 0.4126, 0.4340

## Protanomaly

68.6039, 0.4060, 0.4370

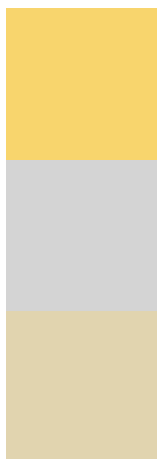
## Deuteranomaly

68.4273, 0.4033, 0.4101

## Tritanomaly

68.0524, 0.3700, 0.3584

# Monochromacy



## Original Color

68.6491, 0.4126, 0.4340

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

66.1897, 0.3491, 0.3707

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6491, 0.4126, 0.4340 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(248, 213, 109)` looks like.

```
.text, #text, p{  
    color:rgb(248, 213, 109)  
}
```

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(248, 213, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 213, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6491, 0.4126, 0.4340 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(248, 213, 109) }
```

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

```
.border{ border-color:rgb(248, 213, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 213, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 213, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 213, 109); box-shadow:4px 4px 4px 4px rgb(248, 213, 109) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6491, 0.4126, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 213, 109) }
```

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

```
.background{ background-color: rgb(248,  
213, 109) }
```

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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