

# Converting Colors

Yxy(66.4617, 0.4043, 0.4266)

Have a look what the booklet for  
Yxy(66.4617, 0.4043, 0.4266)  
contains.

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# **Color**

**Yxy(66.2548, 0.4045, 0.4263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2D275
RGB	242, 210, 117
RGB Percent	95%, 82%, 46%
CMY	0.0511, 0.1764, 0.5413
CMYK	0.00, 0.13, 0.52, 0.05
HSL	45°, 83%, 70%
HSV	45°, 52%, 95%
XYZ	62.8667, 66.2548, 26.2968
YIQ	208.9660, 48.9250, -22.1390

# Conversions

## Conversions Part 2

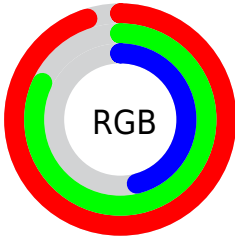
Format	Color
<a href="#">RYB</a>	<a href="#">160, 242, 117</a>
Decimal	<a href="#">15913589</a>
CIELab	<a href="#">85.13, -0.25, 49.81</a>
CIELCh	<a href="#">85, 49.806, 90.283</a>
Yxy	<a href="#">66.2548, 0.4045, 0.4263</a>
Android (android.graphics.Color)	<a href="#">4294103669</a> ( <a href="#">0xFFFF2D275</a> )
YUV	<a href="#">208.9660, -45.3392, 28.9708</a>
Hunter-Lab	<a href="#">81.3971, -4.5811, 37.8232</a>

# Details

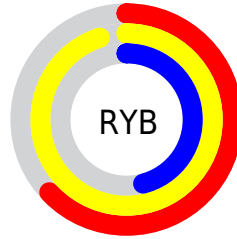
The Yxy color **66.2548, 0.4045, 0.4263** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.6617, 0.2213, 0.2055**, and the grayscale version is **64.0133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **34.2259, 0.4232, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **62.7646, 0.4230, 0.4416**, and if you desaturate by 10%, it is **70.0164, 0.3854, 0.4086**.

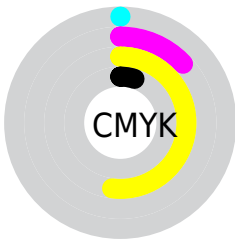
# Distribution



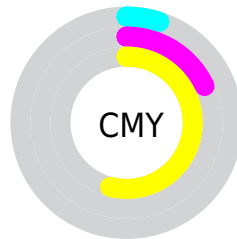
- Red (95%)
- Green (82%)
- Blue (46%)



- Red (63%)
- Yellow (95%)
- Blue (46%)



- Cyan (0%)
- Magenta (13%)
- Yellow (52%)
- Black (5%)




- Cyan (5%)
- Magenta (18%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2548, 0.4045, 0.4263 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 66.2548, 0.4045, 0.4263 by changing the saturation by 10% instead.





 66.2548, 0.4045,  
0.4263


 66.2548, 0.4045,  
0.4263


447.2876, 0.3631,  
0.3823

 48.4793, 0.4133,  
0.4356


 113.8520, 0.3906,  
0.4115

 34.2066, 0.4236,  
0.4466


 144.4424, 0.3850,  
0.4056

 23.0524, 0.4357,  
0.4595


 180.0732, 0.3802,  
0.4005

 14.6322, 0.4497,  
0.4745

221.1289, 0.3759,  
0.3959

 8.5616, 0.4655,  
0.4914

267.9938, 0.3721,  
0.3919

 4.4564, 0.4863,  
0.5137

321.0522, 0.3688,

 1.9320, 0.4859,

0.3884

0.5141

380.6887, 0.3658,  
0.3852

■ 0.5675, 0.4845,  
0.5155

■ 0.0000, 0.0000,  
0.0000

■ 66.2548, 0.4045,  
0.4263

■ 66.2548, 0.4045,  
0.4263

■ 62.7646, 0.4230,  
0.4416

■ 70.0164, 0.3854,  
0.4086

■ 59.5236, 0.4400,  
0.4533


■ 74.0516, 0.3664,  
0.3895


■ 56.5201, 0.4547,  
0.4606

■ 78.3742, 0.3482,  
0.3700


■ 53.7368, 0.4665,  
0.4630


■ 82.9943, 0.3310,  
0.3506

 51.5611, 0.4742,  
0.4617

 87.9210, 0.3152,  
0.3320

 92.6935, 0.3049,  
0.3213

 96.5424, 0.3048,  
0.3273

 97.6119, 0.3047,  
0.3290

# Harmonies

## Analogous

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



66.2548, 0.4339, 0.3870



66.2548, 0.4045, 0.4263



66.2548, 0.3518, 0.4423

# Triad

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



66.2548, 0.4045, 0.4263



66.2548, 0.2092, 0.3006



66.2548, 0.3252, 0.2576

# Complementary

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



66.2548, 0.4045, 0.4263



31.6617, 0.2213, 0.2055

# 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.



66.2548, 0.2656, 0.2362



66.2548, 0.4045, 0.4263



66.2548, 0.2038, 0.2554

# Square

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



66.2548, 0.4045, 0.4263



66.2548, 0.2398, 0.3631



66.2548, 0.2232, 0.2344



66.2548, 0.3868, 0.2942



# Rectangle

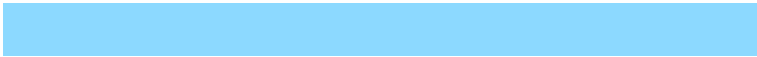
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.2548, 0.4045, 0.4263



66.2548, 0.3114, 0.4318



66.2548, 0.2232, 0.2344



66.2548, 0.3041, 0.2485

# Sweetspot

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



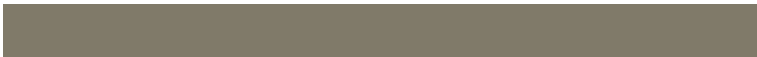
66.2579, 0.4045, 0.4263



91.6961, 0.3367, 0.3571



33.8011, 0.4208, 0.2933



19.3904, 0.3403, 0.3612



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.



66.2579, 0.4045, 0.4263



70.5110, 0.4239, 0.4423



78.8872, 0.3667, 0.4641



17.7350, 0.3275, 0.3465



27.9377, 0.4731, 0.4626



2.4825, 0.4644, 0.4694



# Inverse Universe

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



31.6617, 0.2213, 0.2055



27.7369, 0.2023, 0.1756



25.2503, 0.2338, 0.1723



15.8854, 0.2980, 0.3109



5.4716, 0.1584, 0.0900

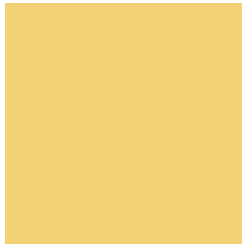


0.6098, 0.1652, 0.1148



# Previews

## White Background



This preview shows how the Yxy color 66.2548, 0.4045, 0.4263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

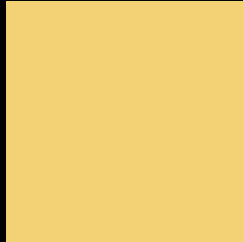
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2548, 0.4045, 0.4263 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 66.2548, 0.4045, 0.4263**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.2548, 0.4045, 0.4263.



This preview shows how white text looks on a background with the Yxy color 66.2548, 0.4045, 0.4263.

# 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

66.2548, 0.4045, 0.4263

### Protanopia

66.3889, 0.3958, 0.4308

### Deuteranopia

66.1392, 0.4074, 0.4018



## Tritanopia

66.2111, 0.3426, 0.3136

# Trichromacy



## Original Color

66.2548, 0.4045, 0.4263

## Protanomaly

66.3995, 0.3987, 0.4288

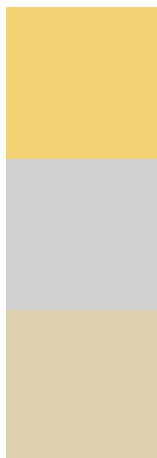
## Deuteranomaly

65.9989, 0.4065, 0.4107

## Tritanomaly

65.9230, 0.3669, 0.3546

# Monochromacy



## Original Color

66.2548, 0.4045, 0.4263

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.1077, 0.3458, 0.3667

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2548, 0.4045, 0.4263 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(242, 210, 117)` looks like.

```
.text, #text, p{  
    color:rgb(242, 210, 117)  
}
```

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(242, 210, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 210, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2548, 0.4045, 0.4263 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(242, 210, 117) }
```

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

```
.border{ border-color:rgb(242, 210, 117) }
```

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

Here you see how a box with a 4 pixel rgb(242, 210, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 210, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 210, 117);  
box-shadow:4px 4px 4px 4px rgb(242, 210,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2548, 0.4045, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 210, 117) }
```

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

```
.background{ background-color: rgb(242,  
210, 117) }
```

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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