

# Converting Colors

Yxy(61.8392, 0.4435, 0.4686)

Have a look what the booklet for  
Yxy(61.8392, 0.4435, 0.4686)  
contains.

<b>Yxy(61.8025, 0.4434, 0.4684)</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(61.8025, 0.4434, 0.4684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2CB30
RGB	242, 203, 48
RGB Percent	95%, 80%, 19%
CMY	0.0510, 0.2039, 0.8119
CMYK	0.00, 0.16, 0.80, 0.05
HSL	48°, 88%, 57%
HSV	48°, 80%, 95%
XYZ	58.5039, 61.8025, 11.6374
YIQ	196.9910, 72.9990, -39.9370

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	97, 242, 48
Decimal	15911728
CIE Lab	82.81, -0.57, 75.45
CIE LCh	83, 75.448, 90.437
Yxy	61.8025, 0.4434, 0.4684
Android (android.graphics.Color)	4294101808 (0xFFFF2CB30)
YUV	196.9910, -73.4526, 39.4729
Hunter-Lab	78.6146, -4.7382, 46.2534

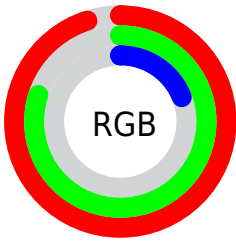
# Details

The Yxy color **61.8025, 0.4434, 0.4684** is a light color, and the websafe version is hex **FFCC33**.

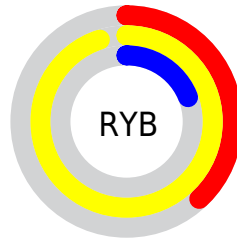
The color can be described as light washed yellow. A complement of this color would be **13.8447, 0.1720, 0.1153**, and the grayscale version is **56.2473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **31.3186, 0.4543, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **59.3969, 0.4534, 0.4725**, and if you desaturate by 10%, it is **64.3948, 0.4304, 0.4596**.

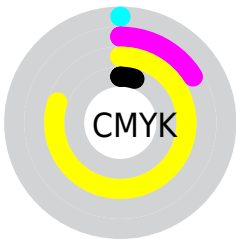
# Distribution



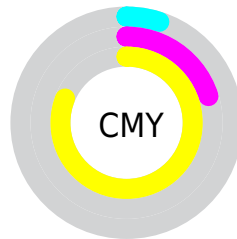
- Red (95%)
- Green (80%)
- Blue (19%)



- Red (38%)
- Yellow (95%)
- Blue (19%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (5%)



- Cyan (5%)
- Magenta (20%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8025, 0.4434, 0.4684 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 61.8025, 0.4434, 0.4684 by changing the saturation by 10% instead.




 61.8025, 0.4434,  
0.4684


 61.8025, 0.4434,  
0.4684


431.2103, 0.3884,  
0.4095

 44.8731, 0.4531,  
0.4789


 107.4400, 0.4264,  
0.4501


 31.3575, 0.4632,  
0.4899


 136.9170, 0.4191,  
0.4423

 20.8712, 0.4731,  
0.5006


 171.3453, 0.4125,  
0.4353

 13.0299, 0.4856,  
0.5144

 211.1093, 0.4067,  
0.4290

 7.4491, 0.4853,  
0.5147

 256.5934, 0.4014,  
0.4234

 3.7445, 0.4847,  
0.5153

308.1820, 0.3966,

 1.5317, 0.4838,

0.4183

0.5162

366.2595, 0.3923,  
0.4137

■ 0.3109, 0.4752,  
0.5248

■ 0.0000, 0.0000,  
0.0000

■ 61.8025, 0.4434,  
0.4684

■ 61.8025, 0.4434,  
0.4684

■ 59.3969, 0.4534,  
0.4725


■ 64.3948, 0.4304,  
0.4596

■ 57.1814, 0.4607,  
0.4724


■ 67.1811, 0.4151,  
0.4464


■ 70.1780, 0.3982,  
0.4299


■ 73.3974, 0.3804,  
0.4109

 76.8503, 0.3625,  
0.3906

 80.5465, 0.3450,  
0.3697

 84.4952, 0.3285,  
0.3492

 88.7049, 0.3130,  
0.3293

 92.4716, 0.3049,  
0.3209

# Harmonies

## Analogous

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



61.8025, 0.4938, 0.4040



61.8025, 0.4434, 0.4684



61.8025, 0.3631, 0.5066

# Triad

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



61.8025, 0.4434, 0.4684



61.8025, 0.1616, 0.2796



61.8025, 0.3297, 0.2257

# Complementary

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



61.8025, 0.4434, 0.4684



13.8447, 0.1720, 0.1153

# 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.



61.8025, 0.2410, 0.1960



61.8025, 0.4434, 0.4684



61.8025, 0.1565, 0.2166

# Square

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



61.8025, 0.4434, 0.4684



61.8025, 0.2014, 0.3803



61.8025, 0.1826, 0.1914



61.8025, 0.4273, 0.2756



# Rectangle

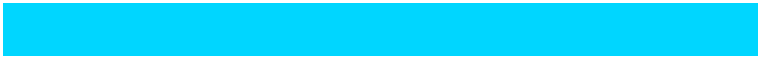
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.8025, 0.4434, 0.4684



61.8025, 0.3037, 0.4963



61.8025, 0.1826, 0.1914



61.8025, 0.2975, 0.2132

# Sweetspot

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



61.8055, 0.4434, 0.4684



89.0712, 0.3517, 0.3778



21.7245, 0.5411, 0.2975



18.7480, 0.3580, 0.3853



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.



61.8055, 0.4434, 0.4684



65.3396, 0.4581, 0.4727



74.2771, 0.3732, 0.5253



17.8881, 0.3273, 0.3477



30.9205, 0.4599, 0.4730



2.7075, 0.4535, 0.4781



# Inverse Universe

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



13.8447, 0.1720, 0.1153



10.4527, 0.1571, 0.0831



11.4011, 0.1904, 0.0958



15.7429, 0.2980, 0.3095



4.7598, 0.1555, 0.0799



0.5321, 0.1619, 0.1026



# Previews

## White Background



This preview shows how the Yxy color 61.8025, 0.4434, 0.4684 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 61.8025, 0.4434, 0.4684 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 61.8025, 0.4434, 0.4684**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8025, 0.4434, 0.4684.



This preview shows how white text looks on a background with the Yxy color 61.8025, 0.4434, 0.4684.

# 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

61.8025, 0.4434, 0.4684

### Protanopia

62.0032, 0.4317, 0.4767

### Deuteranopia

61.8170, 0.4439, 0.4372



## Tritanopia

61.6375, 0.3540, 0.3135

# Trichromacy



## Original Color

61.8025, 0.4434, 0.4684

## Protanomaly

62.1972, 0.4357, 0.4737

## Deuteranomaly

61.6130, 0.4448, 0.4496

## Tritanomaly

60.8299, 0.3966, 0.3791

# Monochromacy



## Original Color

61.8025, 0.4434, 0.4684

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.9762, 0.3668, 0.3957

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8025, 0.4434, 0.4684 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, 203, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 203, 48)  
}
```

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, 203, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 203, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8025, 0.4434, 0.4684 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, 203, 48) }
```

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

```
.border{ border-color:rgb(242, 203, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 203, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 203, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 203, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 203,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8025, 0.4434, 0.4684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 203, 48) }
```

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

```
.background{ background-color: rgb(242,  
203, 48) }
```

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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