

# Converting Colors

Yxy(66.1325, 0.4442, 0.4855)

Have a look what the booklet for  
Yxy(66.1325, 0.4442, 0.4855)  
contains.

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# **Color**

**Yxy(66.1417, 0.4442, 0.4855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D400
RGB	243, 212, 0
RGB Percent	95%, 83%, 0%
CMY	0.0469, 0.1687, 0.9999
CMYK	0.00, 0.13, 1.00, 0.05
HSL	52°, 100%, 48%
HSV	52°, 100%, 95%
XYZ	60.5152, 66.1417, 9.5773
YIQ	197.1010, 86.5280, -59.3600

# Conversions

## Conversions Part 2

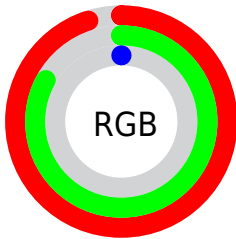
Format	Color
R <sub>Y</sub> B	36, 243, 0
Decimal	15979520
CIE Lab	85.07, -5.50, 85.31
CIE LCh	85, 85.488, 93.688
Yxy	66.1417, 0.4442, 0.4855
Android (android.graphics.Color)	4294169600 (0xFFFF3D400)
YUV	197.1010, -97.1708, 40.2534
Hunter-Lab	81.3275, -9.5027, 49.9472

# Details

The Yxy color **66.1417, 0.4442, 0.4855** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **7.4573, 0.1523, 0.0681**, and the grayscale version is **56.4651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.3988, 0.4446, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **66.1428, 0.4442, 0.4855**, and if you desaturate by 10%, it is **67.7794, 0.4391, 0.4842**.

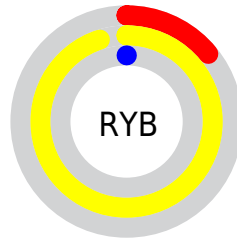
# Distribution



Red (95%)

Green (83%)

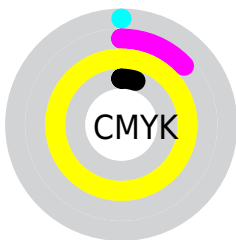
Blue (0%)



Red (14%)

Yellow (95%)

Blue (0%)

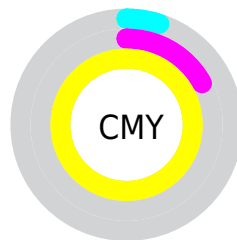


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (17%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1417, 0.4442, 0.4855 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 66.1417, 0.4442, 0.4855 by changing the saturation by 10% instead.




 66.1417, 0.4442,  
0.4855


 66.1417, 0.4442,  
0.4855

446.8835, 0.3923,  
0.4211

 48.3874, 0.4522,  
0.4963


 113.6897, 0.4291,  
0.4660


 34.1338, 0.4599,  
0.5074


 144.2522, 0.4223,  
0.4575


 22.9964, 0.4665,  
0.5183


 179.8529, 0.4161,  
0.4499

 14.5909, 0.4715,  
0.5285

 220.8763, 0.4104,  
0.4429

 8.5327, 0.4684,  
0.5316

 267.7066, 0.4052,  
0.4367

 4.4377, 0.4637,  
0.5363

 320.7283, 0.4005,

 1.9213, 0.4560,

0.4310

0.5440

380.3258, 0.3962,  
0.4258

■ 0.5611, 0.4156,  
0.5844

■ 0.0000, 0.0000,  
0.0000

■ 66.1417, 0.4442,  
0.4855

■ 66.1417, 0.4442,  
0.4855

■ 66.1428, 0.4442,  
0.4855

■ 67.7794, 0.4391,  
0.4842

■ 69.5279, 0.4316,  
0.4790

■ 71.4169, 0.4212,  
0.4691

■ 73.4620, 0.4082,  
0.4550

■ 75.6765, 0.3934,  
0.4374

■ 78.0722, 0.3773,  
0.4171

■ 80.6593, 0.3607,  
0.3953

■ 83.4475, 0.3440,  
0.3729

■ 86.4456, 0.3280,  
0.3506

# Harmonies

## Analogous

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



66.1417, 0.5061, 0.4146



66.1417, 0.4442, 0.4855



66.1417, 0.3543, 0.5268

# Triad

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



66.1417, 0.4442, 0.4855



66.1417, 0.1466, 0.2633



66.1417, 0.3427, 0.2217

# Complementary

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



66.1417, 0.4442, 0.4855



7.4573, 0.1523, 0.0681

# 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.



66.1417, 0.2428, 0.1874



66.1417, 0.4442, 0.4855



66.1417, 0.1455, 0.2011

# Square

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



66.1417, 0.4442, 0.4855



66.1417, 0.1838, 0.3718



66.1417, 0.1767, 0.1790



66.1417, 0.4497, 0.2767



# Rectangle

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



66.1417, 0.4442, 0.4855



66.1417, 0.2899, 0.5113



66.1417, 0.1767, 0.1790



66.1417, 0.3065, 0.2076

# Sweetspot

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



66.1449, 0.4442, 0.4855



89.9370, 0.3608, 0.3955



19.1685, 0.6254, 0.3219



18.9836, 0.3679, 0.4048



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.



66.1449, 0.4442, 0.4855



73.7284, 0.4443, 0.4854



70.9867, 0.3554, 0.5560



18.9311, 0.3272, 0.3495



36.4291, 0.4437, 0.4859



3.3006, 0.4402, 0.4886



# Inverse Universe

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



7.4573, 0.1523, 0.0681



8.2843, 0.1522, 0.0679



8.6044, 0.1777, 0.0753



16.2678, 0.2979, 0.3077



4.1958, 0.1527, 0.0696



0.4748, 0.1574, 0.0868



# Previews

## White Background



This preview shows how the Yxy color 66.1417, 0.4442, 0.4855 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 66.1417, 0.4442, 0.4855 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 66.1417, 0.4442, 0.4855**

## Background



This preview shows how black text looks on a background with the Yxy color 66.1417, 0.4442, 0.4855.

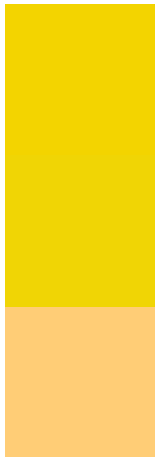


This preview shows how white text looks on a background with the Yxy color 66.1417, 0.4442, 0.4855.

# 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

66.1417, 0.4442, 0.4855

### Protanopia

66.1247, 0.4406, 0.4875

### Deuteranopia

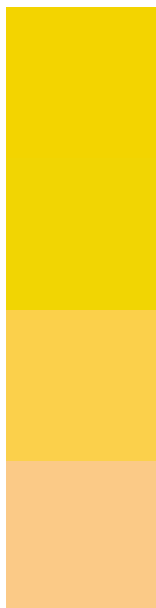
66.2306, 0.4172, 0.4165



## Tritanopia

65.9460, 0.3477, 0.3137

# Trichromacy



## Original Color

66.1417, 0.4442, 0.4855

## Protanomaly

66.2958, 0.4415, 0.4871

## Deuteranomaly

66.1290, 0.4363, 0.4535

## Tritanomaly

64.4996, 0.4037, 0.3989

# Monochromacy



## Original Color

66.1417, 0.4442, 0.4855

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

58.0179, 0.3797, 0.4192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1417, 0.4442, 0.4855 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(243, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 212, 0)  
}
```

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(243, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 212, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1417, 0.4442, 0.4855 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(243, 212, 0) }
```

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

```
.border{ border-color:rgb(243, 212, 0) }
```

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

Here you see how a box with a 4 pixel rgb(243, 212, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 212,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1417, 0.4442, 0.4855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 212, 0) }
```

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

```
.background{ background-color: rgb(243,  
212, 0) }
```

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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