

Converting Colors

Yxy(66.4402, 0.4425, 0.4868)

Have a look what the booklet for
Yxy(66.4402, 0.4425, 0.4868)
contains.

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Color

Yxy(66.4657, 0.4425, 0.4868)

Conversions

Conversions Part 1	
Format	Color
Hex	F2D500
RGB	242, 213, 0
RGB Percent	95%, 84%, 0%
CMY	0.0509, 0.1647, 0.9988
CMYK	0.00, 0.12, 1.00, 0.05
HSL	53°, 100%, 48%
HSV	53°, 100%, 95%
XYZ	60.4172, 66.4657, 9.6531
YIQ	197.3890, 85.6570, -60.0950

Conversions

Conversions Part 2

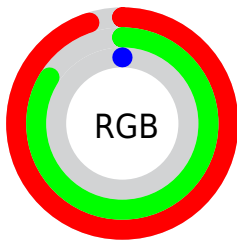
Format	Color
RYB	33, 242, 0
Decimal	15914240
CIELab	85.23, -6.44, 85.36
CIELCh	85, 85.603, 94.315
Yxy	66.4657, 0.4425, 0.4868
Android (android.graphics.Color)	4294104320 (0xFFFF2D500)
YUV	197.3890, -97.3128, 39.1238
Hunter-Lab	81.5265, -10.3897, 50.0484

Details

The Yxy color **66.4657, 0.4425, 0.4868** 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 **7.3086, 0.1521, 0.0675**, and the grayscale version is **56.6687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **34.6200, 0.4424, 0.4869** is the 20% darker color. If you saturate the color by 10%, you get **66.4492, 0.4425, 0.4868**, and if you desaturate by 10%, it is **68.0110, 0.4376, 0.4854**.

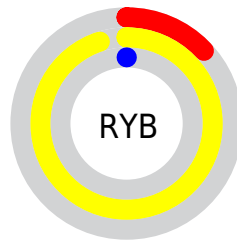
Distribution



Red (95%)

Green (84%)

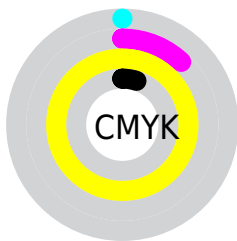
Blue (0%)



Red (13%)

Yellow (95%)

Blue (0%)

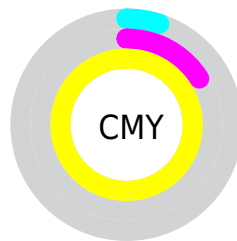


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4657, 0.4425, 0.4868 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 66.4657, 0.4425, 0.4868 by changing the saturation by 10% instead.


 66.4657, 0.4425,
0.4868


 66.4657, 0.4425,
0.4868


448.0405, 0.3915,
0.4217


 48.6505, 0.4503,
0.4978


 114.1545, 0.4277,
0.4670

 34.3424, 0.4578,
0.5092


 144.7969, 0.4210,
0.4584

 23.1567, 0.4641,
0.5204


 180.4838, 0.4149,
0.4507

 14.7093, 0.4688,
0.5312

 221.5997, 0.4093,
0.4437

 8.6156, 0.4652,
0.5348

 268.5290, 0.4042,
0.4373

 4.4913, 0.4597,
0.5403


 321.6559, 0.3996,


 1.9520, 0.4507,


0.4316

0.5493

381.3650, 0.3953,
0.4264


 0.5794, 0.4044,
0.5956


 0.0000, 0.0000,
0.0000


 66.4657, 0.4425,
0.4868

 66.4657, 0.4425,
0.4868

 66.4492, 0.4425,
0.4868

 68.0110, 0.4376,
0.4854

 69.6632, 0.4303,
0.4800


 71.4512, 0.4201,
0.4700


 73.3905, 0.4074,
0.4557

 75.4943, 0.3927,
0.4379

 77.7740, 0.3768,
0.4175

 80.2398, 0.3603,
0.3956

 82.9013, 0.3438,
0.3729

 85.7670, 0.3277,
0.3505

Harmonies

Analogous

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



66.4657, 0.5052, 0.4161



66.4657, 0.4425, 0.4868



66.4657, 0.3523, 0.5269

Triad

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



66.4657, 0.4425, 0.4868



66.4657, 0.1463, 0.2615



66.4657, 0.3450, 0.2227

Complementary

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



66.4657, 0.4425, 0.4868



7.3086, 0.1521, 0.0675

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.



66.4657, 0.2446, 0.1879



66.4657, 0.4425, 0.4868



66.4657, 0.1458, 0.2003

Square

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



66.4657, 0.4425, 0.4868



66.4657, 0.1826, 0.3692



66.4657, 0.1777, 0.1789



66.4657, 0.4516, 0.2780

Rectangle

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



66.4657, 0.4425, 0.4868



66.4657, 0.2880, 0.5100



66.4657, 0.1777, 0.1789



66.4657, 0.3087, 0.2085

Sweetspot

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



66.4689, 0.4425, 0.4868



90.2947, 0.3606, 0.3960



18.9938, 0.6252, 0.3218



19.0703, 0.3677, 0.4054



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.



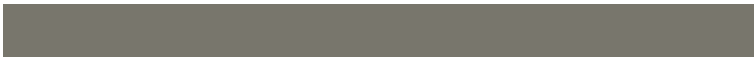
66.4689, 0.4425, 0.4868



74.7810, 0.4426, 0.4868



70.3235, 0.3555, 0.5559



18.1161, 0.3271, 0.3496



35.8271, 0.4421, 0.4872



3.0710, 0.4387, 0.4899

Inverse Universe

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



7.3086, 0.1521, 0.0675



8.1797, 0.1520, 0.0671



8.5392, 0.1778, 0.0754



15.5343, 0.2980, 0.3075



4.0193, 0.1525, 0.0689



0.4327, 0.1573, 0.0862

Previews

White Background



This preview shows how the Yxy color 66.4657, 0.4425, 0.4868 looks on a white background.

Color Contrast Check

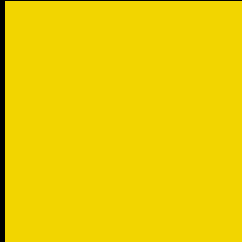
Large Text (above 18pt) WCAG AA × Fail

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 66.4657, 0.4425, 0.4868 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 66.4657, 0.4425, 0.4868

Background



This preview shows how black text looks on a background with the Yxy color 66.4657, 0.4425, 0.4868.

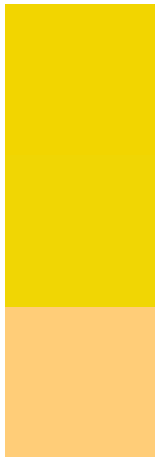


This preview shows how white text looks on a background with the Yxy color 66.4657, 0.4425, 0.4868.

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

66.4657, 0.4425, 0.4868

Protanopia

66.6272, 0.4398, 0.4883

Deuteranopia

66.2787, 0.4159, 0.4148



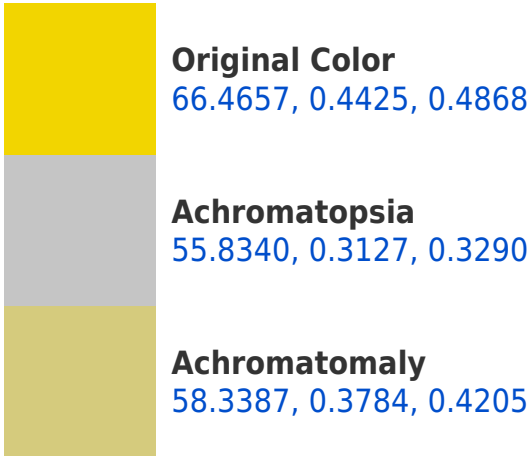
Tritanopia

66.2631, 0.3460, 0.3137

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4657, 0.4425, 0.4868 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, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 213, 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(242, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 213, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.4657, 0.4425, 0.4868 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, 213, 0) }
```


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

```
.border{ border-color:rgb(242, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 213,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4657, 0.4425, 0.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 213, 0) }
```

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

```
.background{ background-color: rgb(242,  
213, 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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