

# Converting Colors

Yxy(69.8936, 0.4451, 0.4848)

Have a look what the booklet for  
Yxy(69.8936, 0.4451, 0.4848)  
contains.

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**Color**

**Yxy(69.9497, 0.4452, 0.4847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAD900
RGB	250, 217, 0
RGB Percent	98%, 85%, 0%
CMY	0.0194, 0.1491, 0.9997
CMYK	0.00, 0.13, 1.00, 0.02
HSL	52°, 100%, 49%
HSV	52°, 100%, 98%
XYZ	64.2492, 69.9497, 10.1165
YIQ	202.1290, 89.3250, -60.4910

# Conversions

## Conversions Part 2

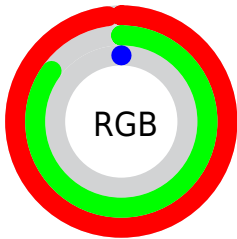
Format	Color
R <sub>Y</sub> B	38, 250, 0
Decimal	16439552
CIE Lab	86.97, -5.03, 86.95
CIE LCh	87, 87.099, 93.312
Yxy	69.9497, 0.4452, 0.4847
Android (android.graphics.Color)	4294629632 (0xFFFA900)
YUV	202.1290, -99.6496, 41.9829
Hunter-Lab	83.6359, -9.2389, 51.3735

# Details

The Yxy color **69.9497, 0.4452, 0.4847** 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 **7.9998, 0.1524, 0.0684**, and the grayscale version is **59.7500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **36.8858, 0.4449, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **69.9482, 0.4452, 0.4847**, and if you desaturate by 10%, it is **71.7449, 0.4401, 0.4836**.

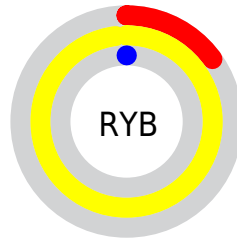
# Distribution



Red (98%)

Green (85%)

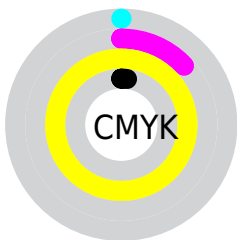
Blue (0%)



Red (15%)

Yellow (98%)

Blue (0%)

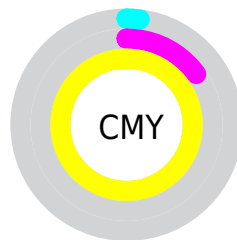


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (15%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9497, 0.4452, 0.4847 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 69.9497, 0.4452, 0.4847 by changing the saturation by 10% instead.





 69.9497, 0.4452,  
0.4847


 69.9497, 0.4452,  
0.4847


460.3734, 0.3935,  
0.4216

 51.4855, 0.4532,  
0.4952


 119.1370, 0.4302,  
0.4657


 36.5952, 0.4609,  
0.5059


 150.6290, 0.4234,  
0.4574


 24.8942, 0.4675,  
0.5162


 187.2323, 0.4172,  
0.4499

 15.9982, 0.4733,  
0.5267

 229.3314, 0.4116,  
0.4431

 9.5229, 0.4706,  
0.5294

 277.3106, 0.4064,  
0.4369

 5.0838, 0.4667,  
0.5333


 331.5545, 0.4017,

 2.2965, 0.4603,

0.4313

0.5397


392.4472, 0.3974,  
0.4262

 0.7719, 0.4418,  
0.5582

 0.0000, 0.0000,  
0.0000

 69.9497, 0.4452,  
0.4847


 69.9497, 0.4452,  
0.4847

 69.9482, 0.4452,  
0.4847

 71.7449, 0.4401,  
0.4836

 73.6612, 0.4324,  
0.4784

 75.7297, 0.4218,  
0.4687

 77.9675, 0.4087,  
0.4546

■ 80.3887, 0.3938,  
0.4370

■ 83.0059, 0.3775,  
0.4168

■ 85.8303, 0.3608,  
0.3951

■ 88.8722, 0.3441,  
0.3727

■ 92.1409, 0.3280,  
0.3505

# Harmonies

## Analogous

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



69.9497, 0.5065, 0.4136



69.9497, 0.4452, 0.4847



69.9497, 0.3555, 0.5267

# Triad

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



69.9497, 0.4452, 0.4847



69.9497, 0.1468, 0.2644



69.9497, 0.3413, 0.2211

# Complementary

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



69.9497, 0.4452, 0.4847



7.9998, 0.1524, 0.0684

# 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.



69.9497, 0.2418, 0.1871



69.9497, 0.4452, 0.4847



69.9497, 0.1453, 0.2016

# Square

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



69.9497, 0.4452, 0.4847



69.9497, 0.1845, 0.3734



69.9497, 0.1761, 0.1791



69.9497, 0.4485, 0.2759



# Rectangle

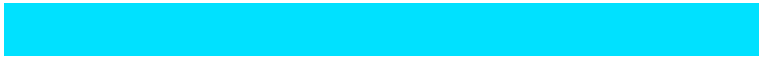
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9497, 0.4452, 0.4847



69.9497, 0.2911, 0.5120



69.9497, 0.1761, 0.1791



69.9497, 0.3052, 0.2071

# Sweetspot

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



69.9531, 0.4452, 0.4847



89.7296, 0.3609, 0.3952



20.4456, 0.6256, 0.3220



18.9333, 0.3680, 0.4045



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.



69.9531, 0.4452, 0.4847



73.1222, 0.4452, 0.4847



75.7069, 0.3553, 0.5561



19.7762, 0.3272, 0.3494



37.2416, 0.4447, 0.4851



3.5545, 0.4412, 0.4879



# Inverse Universe

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



7.9998, 0.1524, 0.0684



8.3480, 0.1523, 0.0683



9.1676, 0.1776, 0.0752



17.0129, 0.2979, 0.3077



4.3543, 0.1528, 0.0700



0.5147, 0.1574, 0.0866



# Previews

## White Background



This preview shows how the Yxy color 69.9497, 0.4452, 0.4847 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

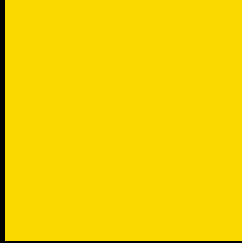
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.9497, 0.4452, 0.4847 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 69.9497, 0.4452, 0.4847**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9497, 0.4452, 0.4847.

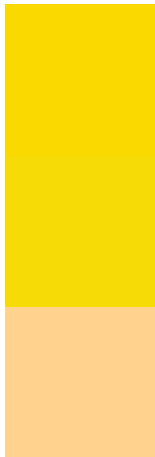


This preview shows how white text looks on a background with the Yxy color 69.9497, 0.4452, 0.4847.

# 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

69.9497, 0.4452, 0.4847

### Protanopia

70.2690, 0.4400, 0.4879

### Deuteranopia

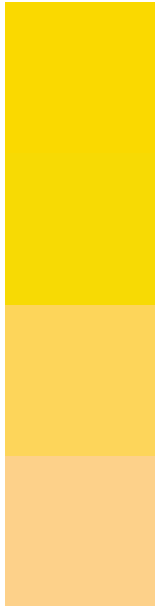
69.8015, 0.3975, 0.3997



## Tritanopia

69.9324, 0.3425, 0.3169

# Trichromacy



## Original Color

69.9497, 0.4452, 0.4847

## Protanomaly

69.9257, 0.4417, 0.4868

## Deuteranomaly

69.2093, 0.4270, 0.4468

## Tritanomaly

68.3186, 0.3997, 0.4022

# Monochromacy



## Original Color

69.9497, 0.4452, 0.4847

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

61.2707, 0.3789, 0.4184

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9497, 0.4452, 0.4847 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(250, 217, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 217, 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(250, 217, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 217, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9497, 0.4452, 0.4847 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(250, 217, 0) }
```

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

```
.border{ border-color:rgb(250, 217, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 217, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 217, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 217, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 217,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9497, 0.4452, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 217, 0) }
```

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

```
.background{ background-color: rgb(250,  
217, 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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