

# Converting Colors

$Yxy(72.5284, 0.4460, 0.4835)$

Have a look what the booklet for  
Yxy(72.5284, 0.4460, 0.4835)  
contains.

<b>Yxy(72.4552, 0.4460, 0.4834)</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(72.4552, 0.4460, 0.4834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC04
RGB	255, 220, 4
RGB Percent	100%, 86%, 2%
CMY	0.0001, 0.1372, 0.9835
CMYK	0.00, 0.14, 0.98, 0.00
HSL	52°, 100%, 51%
HSV	52°, 98%, 100%
XYZ	66.8494, 72.4552, 10.5820
YIQ	205.8410, 90.1960, -59.7560

# Conversions

## Conversions Part 2

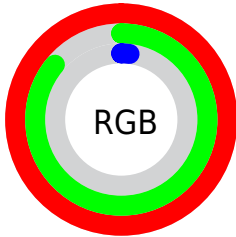
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 255, 4
Decimal	16768004
CIELab	88.19, -4.43, 87.68
CIELCh	88, 87.792, 92.891
Yxy	72.4552, 0.4460, 0.4834
Android (android.graphics.Color)	4294958084 (0xFFFFDC04)
YUV	205.8410, -99.5076, 43.1124
Hunter-Lab	85.1206, -8.7762, 52.2136

# Details

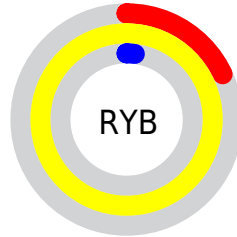
The Yxy color **72.4552, 0.4460, 0.4834** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.7079, 0.1533, 0.0709**, and the grayscale version is **62.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **38.2477, 0.4475, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **72.1418, 0.4468, 0.4834**, and if you desaturate by 10%, it is **74.4278, 0.4404, 0.4820**.

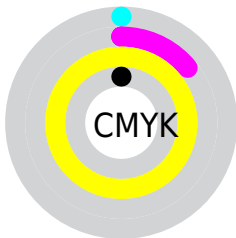
# Distribution



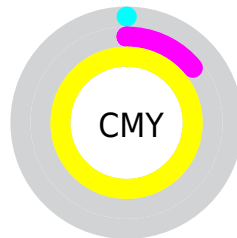
- Red (100%)
- Green (86%)
- Blue (2%)



- Red (18%)
- Yellow (100%)
- Blue (2%)



- Cyan (0%)
- Magenta (14%)
- Yellow (98%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4552, 0.4460, 0.4834 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 72.4552, 0.4460, 0.4834 by changing the saturation by 10% instead.




 72.4552, 0.4460,  
0.4834


 72.4552, 0.4460,  
0.4834


469.1244, 0.3942,  
0.4213

 53.5306, 0.4540,  
0.4936


 122.7035, 0.4309,  
0.4648


 38.2265, 0.4618,  
0.5041


 154.7960, 0.4242,  
0.4567


 26.1585, 0.4686,  
0.5141

 192.0465, 0.4180,  
0.4493

 16.9423, 0.4752,  
0.5248

 234.8396, 0.4123,  
0.4426

 10.1934, 0.4730,  
0.5270

 283.5595, 0.4072,  
0.4365

 5.5273, 0.4697,  
0.5303

 338.5907, 0.4024,

 2.5599, 0.4645,

0.4310

400.3175, 0.3981,  
0.4259

0.5355

■ 0.9065, 0.4539,  
0.5461

■ 0.0000, 0.0000,  
0.0000

■ 72.4552, 0.4460,  
0.4834

■ 72.4552, 0.4460,  
0.4834


■ 72.1418, 0.4468,  
0.4834


■ 74.4278, 0.4404,  
0.4820

■ 76.5393, 0.4320,  
0.4762


■ 78.8173, 0.4208,  
0.4658

■ 81.2790, 0.4071,  
0.4512

 83.9391, 0.3917,  
0.4332

 86.8104, 0.3752,  
0.4128

 89.9047, 0.3582,  
0.3910

 93.2325, 0.3415,  
0.3688

 96.8036, 0.3254,  
0.3468

# Harmonies

## Analogous

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



72.4552, 0.5065, 0.4125



72.4552, 0.4460, 0.4834



72.4552, 0.3569, 0.5258

# Triad

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



72.4552, 0.4460, 0.4834



72.4552, 0.1476, 0.2659



72.4552, 0.3396, 0.2208

# Complementary

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



72.4552, 0.4460, 0.4834



8.7079, 0.1533, 0.0709

# 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.



72.4552, 0.2409, 0.1872



72.4552, 0.4460, 0.4834



72.4552, 0.1455, 0.2026

# Square

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



72.4552, 0.4460, 0.4834



72.4552, 0.1858, 0.3750



72.4552, 0.1758, 0.1796



72.4552, 0.4467, 0.2752



# Rectangle

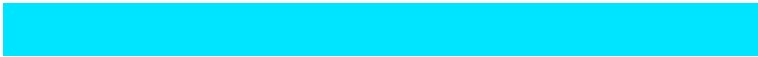
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4552, 0.4460, 0.4834



72.4552, 0.2926, 0.5119



72.4552, 0.1758, 0.1796



72.4552, 0.3038, 0.2070

# Sweetspot

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



72.4587, 0.4460, 0.4834



89.3974, 0.3610, 0.3947



21.5127, 0.6192, 0.3195



18.8529, 0.3682, 0.4039



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.



72.4587, 0.4460, 0.4834



72.1576, 0.4468, 0.4834



79.7516, 0.3587, 0.5527



20.6334, 0.3273, 0.3493



37.8702, 0.4463, 0.4839



3.8009, 0.4427, 0.4867



# Inverse Universe

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



8.7079, 0.1533, 0.0709



8.4547, 0.1525, 0.0691



9.5840, 0.1767, 0.0753



17.7860, 0.2979, 0.3079



4.5411, 0.1530, 0.0708



0.5603, 0.1575, 0.0870



# Previews

## White Background



This preview shows how the Yxy color 72.4552, 0.4460, 0.4834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

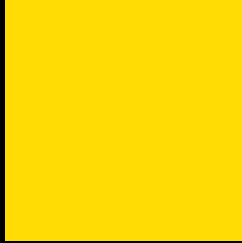
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4552, 0.4460, 0.4834 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 72.4552, 0.4460, 0.4834**

## Background



This preview shows how black text looks on a background with the Yxy color 72.4552, 0.4460, 0.4834.



This preview shows how white text looks on a background with the Yxy color 72.4552, 0.4460, 0.4834.

# 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

72.4552, 0.4460, 0.4834

### Protanopia

72.5841, 0.4403, 0.4873

### Deuteranopia

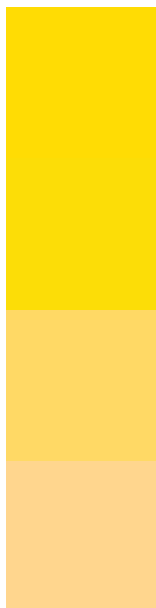
72.2612, 0.3858, 0.3897



## Tritanopia

72.5736, 0.3388, 0.3180

# Trichromacy



## Original Color

72.4552, 0.4460, 0.4834

## Protanomaly

72.4237, 0.4427, 0.4855

## Deuteranomaly

71.8253, 0.4202, 0.4412

## Tritanomaly

71.3061, 0.3961, 0.4026

# Monochromacy



## Original Color

72.4552, 0.4460, 0.4834

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

64.1293, 0.3786, 0.4167

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4552, 0.4460, 0.4834 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(255, 220, 4)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 4)  
}
```

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(255, 220, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4552, 0.4460, 0.4834 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(255, 220, 4) }
```

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

```
.border{ border-color:rgb(255, 220, 4) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 4);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
4) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4552, 0.4460, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 4) }
```

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

```
.background{ background-color: rgb(255,  
220, 4) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor