

# Converting Colors

$Yxy(67.8293, 0.4519, 0.4437)$

Have a look what the booklet for  
Yxy(67.8293, 0.4519, 0.4437)  
contains.

<b>Yxy(65.4171, 0.4422, 0.4498)</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(65.4171, 0.4422, 0.4498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCD4A
RGB	255, 205, 74
RGB Percent	100%, 80%, 29%
CMY	0.0000, 0.1961, 0.7100
CMYK	0.00, 0.20, 0.71, 0.00
HSL	43°, 100%, 65%
HSV	43°, 71%, 100%
XYZ	64.3118, 65.4171, 15.7071
YIQ	205.0160, 71.8510, -30.1410

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">143, 255, 74</a>
Decimal	<a href="#">16764234</a>
CIELab	<a href="#">84.70, 4.91, 68.73</a>
CIElCh	<a href="#">85, 68.901, 85.912</a>
Yxy	<a href="#">65.4171, 0.4422, 0.4498</a>
Android (android.graphics.Color)	<a href="#">4294954314 (0xFFFFCD4A)</a>
YUV	<a href="#">205.0160, -64.5909, 43.8360</a>
Hunter-Lab	<a href="#">80.8808, 0.3915, 45.1024</a>

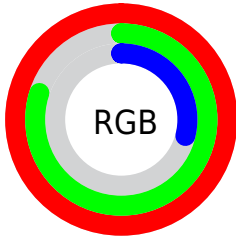
# Details

The Yxy color **65.4171, 0.4422, 0.4498** 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 **23.0782, 0.1887, 0.1552**, and the grayscale version is **61.4417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3650, 0.3855, 0.4493**, and **33.6047, 0.4648, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **61.8459, 0.4579, 0.4570**, and if you desaturate by 10%, it is **69.2778, 0.4242, 0.4382**.

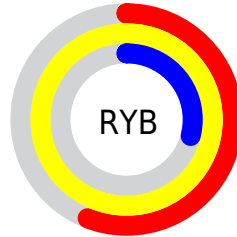
# Distribution



Red (100%)

Green (80%)

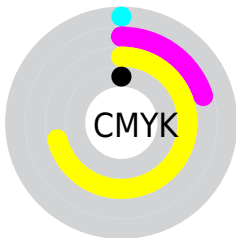
Blue (29%)



Red (56%)

Yellow (100%)

Blue (29%)

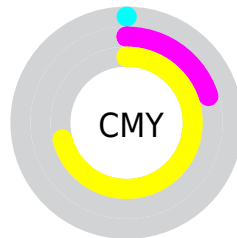


Cyan (0%)

Magenta (20%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4171, 0.4422, 0.4498 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 65.4171, 0.4422, 0.4498 by changing the saturation by 10% instead.




 65.4171, 0.4422,  
0.4498

 65.4171, 0.4422,  
0.4498


444.2893, 0.3861,  
0.3990

 47.7994, 0.4530,  
0.4590


 112.6493, 0.4242,  
0.4339

 33.6680, 0.4649,  
0.4690


 143.0326, 0.4167,  
0.4272


 22.6387, 0.4777,  
0.4790


 178.4398, 0.4101,  
0.4211

 14.3269, 0.4913,  
0.4888

 219.2554, 0.4042,  
0.4157

 8.3484, 0.5040,  
0.4960

 265.8638, 0.3989,  
0.4109

 4.3187, 0.5080,  
0.4920

318.6493, 0.3942,

 1.8534, 0.5146,

0.4065

0.4854

377.9963, 0.3899,  
0.4026

■ 0.5201, 0.5415,  
0.4585

■ 0.0000, 0.0000,  
0.0000

■ 65.4171, 0.4422,  
0.4498

■ 65.4171, 0.4422,  
0.4498

■ 61.8459, 0.4579,  
0.4570

■ 69.2778, 0.4242,  
0.4382

■ 58.5463, 0.4706,  
0.4592

■ 73.4469, 0.4049,  
0.4231

■ 55.7805, 0.4797,  
0.4574

■ 77.9387, 0.3852,  
0.4056

■ 82.7668, 0.3658,  
0.3869

87.9437, 0.3473,  
0.3678

93.4810, 0.3301,  
0.3489

99.3896, 0.3142,  
0.3308

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



65.4171, 0.4800, 0.3911



65.4171, 0.4422, 0.4498



65.4171, 0.3727, 0.4865

# Triad

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



65.4171, 0.4422, 0.4498



65.4171, 0.1783, 0.2978



65.4171, 0.3154, 0.2291

# Complementary

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



65.4171, 0.4422, 0.4498



23.0782, 0.1887, 0.1552

# 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.



65.4171, 0.2380, 0.2048



65.4171, 0.4422, 0.4498



65.4171, 0.1682, 0.2340

# Square

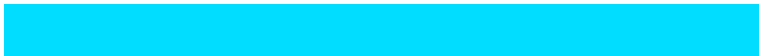
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.4171, 0.4422, 0.4498



65.4171, 0.2209, 0.3898



65.4171, 0.1882, 0.2049



65.4171, 0.4035, 0.2731



# Rectangle

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



65.4171, 0.4422, 0.4498



65.4171, 0.3187, 0.4822



65.4171, 0.1882, 0.2049



65.4171, 0.2871, 0.2185

# Sweetspot

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



65.4164, 0.4422, 0.4498



87.9426, 0.3473, 0.3678



27.6387, 0.4869, 0.2839



18.5098, 0.3523, 0.3730



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.



65.4164, 0.4422, 0.4498



60.4941, 0.4634, 0.4585



86.5783, 0.3803, 0.5046



20.1926, 0.3276, 0.3461



29.4098, 0.4784, 0.4583



3.0469, 0.4701, 0.4649



# Inverse Universe

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



23.0782, 0.1887, 0.1552



16.3930, 0.1706, 0.1204



15.6344, 0.1964, 0.1124



18.1941, 0.2979, 0.3113



6.3023, 0.1594, 0.0939



0.7873, 0.1654, 0.1154



# Previews

## White Background



This preview shows how the Yxy color 65.4171, 0.4422, 0.4498 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

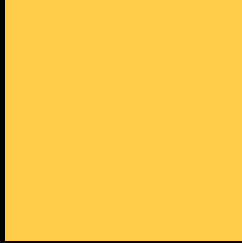
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.4171, 0.4422, 0.4498 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 65.4171, 0.4422, 0.4498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.4171, 0.4422, 0.4498.



This preview shows how white text looks on a background with the Yxy color 65.4171, 0.4422, 0.4498.

# 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

65.4171, 0.4422, 0.4498

### Protanopia

65.4416, 0.4209, 0.4634

### Deuteranopia

65.2799, 0.4184, 0.4147



## Tritanopia

65.2939, 0.3511, 0.3168

# Trichromacy



## Original Color

65.4171, 0.4422, 0.4498

## Protanomaly

65.1636, 0.4292, 0.4582

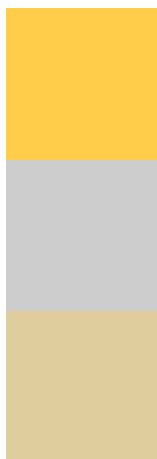
## Deuteranomaly

65.4050, 0.4280, 0.4292

## Tritanomaly

64.6101, 0.3899, 0.3708

# Monochromacy



## Original Color

65.4171, 0.4422, 0.4498

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

61.7849, 0.3627, 0.3840

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4171, 0.4422, 0.4498 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, 205, 74)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 74)  
}
```

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, 205, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4171, 0.4422, 0.4498 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, 205, 74) }
```

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

```
.border{ border-color:rgb(255, 205, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 74);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4171, 0.4422, 0.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 74) }
```

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

```
.background{ background-color: rgb(255,  
205, 74) }
```

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