

# Converting Colors

$Y_{xy}(66.0070, 0.4476, 0.4622)$

Have a look what the booklet for  
Yxy(66.0070, 0.4476, 0.4622)  
contains.

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# **Color**

**Yxy(65.9628, 0.4475, 0.4623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FECF36
RGB	254, 207, 54
RGB Percent	100%, 81%, 21%
CMY	0.0040, 0.1882, 0.7878
CMYK	0.00, 0.18, 0.79, 0.00
HSL	46°, 99%, 60%
HSV	46°, 79%, 100%
XYZ	63.8511, 65.9628, 12.8701
YIQ	203.6110, 77.1250, -37.6190

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	115, 254, 54
Decimal	16699190
CIE Lab	84.98, 2.66, 75.95
CIE LCh	85, 75.992, 87.996
Yxy	65.9628, 0.4475, 0.4623
Android (android.graphics.Color)	4294889270 (0xFFFE CF36)
YUV	203.6110, -73.7582, 44.1912
Hunter-Lab	81.2175, -1.7985, 47.4569

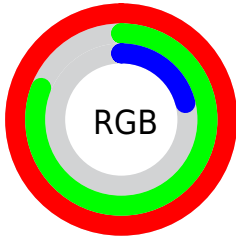
# Details

The Yxy color **65.9628, 0.4475, 0.4623** 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 **17.2683, 0.1755, 0.1259**, and the grayscale version is **60.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **34.1199, 0.4615, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **62.9474, 0.4593, 0.4664**, and if you desaturate by 10%, it is **69.2185, 0.4329, 0.4534**.

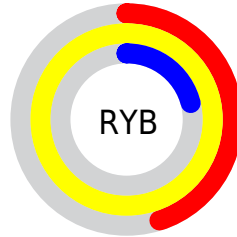
# Distribution



Red (100%)

Green (81%)

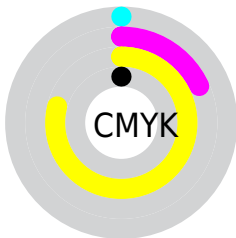
Blue (21%)



Red (45%)

Yellow (100%)

Blue (21%)

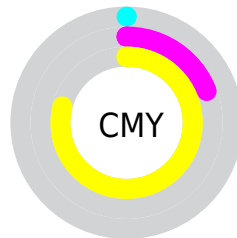


Cyan (0%)

Magenta (18%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9628, 0.4475, 0.4623 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 65.9628, 0.4475, 0.4623 by changing the saturation by 10% instead.





 65.9628, 0.4475,  
0.4623


 65.9628, 0.4475,  
0.4623


446.2438, 0.3908,  
0.4072

 48.2422, 0.4576,  
0.4718


 113.4329, 0.4299,  
0.4454

 34.0187, 0.4685,  
0.4818


 143.9513, 0.4224,  
0.4382


 22.9080, 0.4794,  
0.4914


 179.5043, 0.4156,  
0.4316

 14.5256, 0.4929,  
0.5032

 220.4764, 0.4096,  
0.4257

 8.4871, 0.4963,  
0.5037

 267.2521, 0.4042,  
0.4204

 4.4082, 0.4985,  
0.5015

320.2156, 0.3993,

 1.9044, 0.5021,

0.4156

0.4979

379.7514, 0.3949,  
0.4112

0.5510, 0.5165,  
0.4835

0.0000, 0.0000,  
0.0000

65.9628, 0.4475,  
0.4623

65.9628, 0.4475,  
0.4623

62.9474, 0.4593,  
0.4664

69.2185, 0.4329,  
0.4534

60.1370, 0.4681,  
0.4659

72.7231, 0.4160,  
0.4402

59.7812, 0.4691,  
0.4657

76.4953, 0.3979,  
0.4237

80.5488, 0.3792,  
0.4051

■ 84.8960, 0.3607,  
0.3853

■ 89.5485, 0.3429,  
0.3652

■ 94.5167, 0.3262,  
0.3455

99.6614, 0.3121,  
0.3288

99.8088, 0.3121,  
0.3290

# Harmonies

## Analogous

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



65.9628, 0.4935, 0.3982



65.9628, 0.4475, 0.4623



65.9628, 0.3699, 0.5030

# Triad

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



65.9628, 0.4475, 0.4623



65.9628, 0.1653, 0.2874



65.9628, 0.3217, 0.2237

# Complementary

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



65.9628, 0.4475, 0.4623



17.2683, 0.1755, 0.1259

# 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.



65.9628, 0.2361, 0.1961



65.9628, 0.4475, 0.4623



65.9628, 0.1575, 0.2217

# Square

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



65.9628, 0.4475, 0.4623



65.9628, 0.2077, 0.3884



65.9628, 0.1809, 0.1938



65.9628, 0.4185, 0.2718



# Rectangle

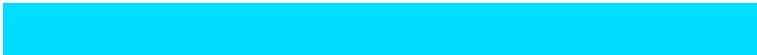
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9628, 0.4475, 0.4623



65.9628, 0.3112, 0.4968



65.9628, 0.1809, 0.1938



65.9628, 0.2904, 0.2119

# Sweetspot

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



65.9660, 0.4475, 0.4623



87.8289, 0.3522, 0.3759



24.7189, 0.5262, 0.2910



18.4459, 0.3586, 0.3830



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.



65.9660, 0.4475, 0.4623



61.9852, 0.4643, 0.4666



83.9845, 0.3778, 0.5200



20.3243, 0.3275, 0.3471



31.7581, 0.4682, 0.4665



3.2587, 0.4614, 0.4718



# Inverse Universe

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



17.2683, 0.1755, 0.1259



11.9126, 0.1602, 0.0929



12.7520, 0.1880, 0.0962



18.0706, 0.2979, 0.3103



5.6458, 0.1571, 0.0856



0.7085, 0.1628, 0.1059



# Previews

## White Background



This preview shows how the Yxy color 65.9628, 0.4475, 0.4623 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 65.9628, 0.4475, 0.4623 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 65.9628, 0.4475, 0.4623**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.9628, 0.4475, 0.4623.



This preview shows how white text looks on a background with the Yxy color 65.9628, 0.4475, 0.4623.

# 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

65.9628, 0.4475, 0.4623

### Protanopia

66.2247, 0.4303, 0.4741

### Deuteranopia

65.7776, 0.4172, 0.4147



## Tritanopia

65.7960, 0.3501, 0.3168

# Trichromacy



## Original Color

65.9628, 0.4475, 0.4623

## Protanomaly

66.0975, 0.4361, 0.4703

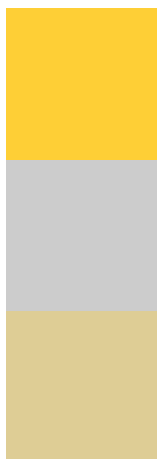
## Deuteranomaly

65.7489, 0.4315, 0.4355

## Tritanomaly

65.3332, 0.3938, 0.3790

# Monochromacy



## Original Color

65.9628, 0.4475, 0.4623

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

61.3622, 0.3678, 0.3934

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9628, 0.4475, 0.4623 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(254, 207, 54)` looks like.

```
.text, #text, p{  
    color:rgb(254, 207, 54)  
}
```

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(254, 207, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 207, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9628, 0.4475, 0.4623 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(254, 207, 54) }
```

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

```
.border{ border-color:rgb(254, 207, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 207, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 207, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 207, 54);  
box-shadow:4px 4px 4px 4px rgb(254, 207,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9628, 0.4475, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 207, 54) }
```

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

```
.background{ background-color: rgb(254,  
207, 54) }
```

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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