

# Converting Colors

$Y_{xy}(95.3479, 0.4902, 0.4184)$

Have a look what the booklet for  
Yxy(95.3479, 0.4902, 0.4184)  
contains.

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# Color

**Yxy(73.0865, 0.4266, 0.4556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC54
RGB	255, 220, 84
RGB Percent	100%, 86%, 33%
CMY	0.0000, 0.1372, 0.6704
CMYK	0.00, 0.14, 0.67, 0.00
HSL	48°, 100%, 66%
HSV	48°, 67%, 100%
XYZ	68.4344, 73.0865, 18.8973
YIQ	214.9610, 64.5160, -34.8760

# Conversions

## Conversions Part 2

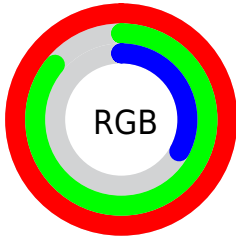
Format	Color
R <sub>Y</sub> B	128, 255, 84
Decimal	16768084
CIE Lab	88.49, -2.24, 68.59
CIE LCh	88, 68.630, 91.872
Yxy	73.0865, 0.4266, 0.4556
Android (android.graphics.Color)	4294958164 (0xFFFFDC54)
YUV	214.9610, -64.5638, 35.1142
Hunter-Lab	85.4906, -6.7212, 46.7377

# Details

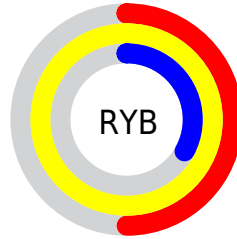
The Yxy color **73.0865, 0.4266, 0.4556** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **22.3106, 0.1912, 0.1507**, and the grayscale version is **68.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **38.5629, 0.4463, 0.4769** is the 20% darker color. If you saturate the color by 10%, you get **70.0629, 0.4405, 0.4657**, and if you desaturate by 10%, it is **76.3481, 0.4105, 0.4414**.

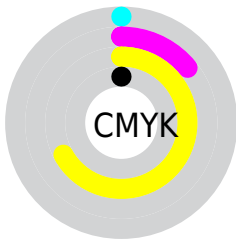
# Distribution



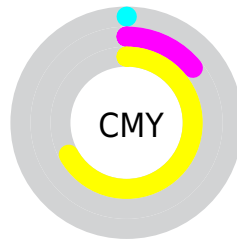
- Red (100%)
- Green (86%)
- Blue (33%)



- Red (50%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (14%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0865, 0.4266, 0.4556 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 73.0865, 0.4266, 0.4556 by changing the saturation by 10% instead.




 73.0865, 0.4266,  
0.4556

 73.0865, 0.4266,  
0.4556


471.3146, 0.3785,  
0.4015

 54.0467, 0.4356,  
0.4659


 123.6000, 0.4114,  
0.4383

 38.6390, 0.4455,  
0.4775

 155.8425, 0.4050,  
0.4311

 26.4790, 0.4560,  
0.4900


 193.2547, 0.3993,  
0.4247

 17.1823, 0.4664,  
0.5028

 236.2209, 0.3942,  
0.4190

 10.3646, 0.4801,  
0.5199

285.1256, 0.3897,  
0.4139

 5.6413, 0.4785,  
0.5215

340.3532, 0.3856,

 2.6282, 0.4759,

0.4093

0.5241

402.2880, 0.3819,  
0.4052

■ 0.9409, 0.4712,  
0.5288

■ 0.0000, 0.0000,  
0.0000

■ 73.0865, 0.4266,  
0.4556

■ 73.0865, 0.4266,  
0.4556

■ 70.0629, 0.4405,  
0.4657

■ 76.3481, 0.4105,  
0.4414

■ 67.2492, 0.4516,  
0.4712

■ 79.8520, 0.3931,  
0.4240

■ 64.6271, 0.4597,  
0.4719

■ 83.6149, 0.3751,  
0.4045

■ 63.8778, 0.4618,  
0.4716

■ 87.6490, 0.3571,  
0.3840

■ 91.9651, 0.3398,  
0.3632

■ 96.5735, 0.3235,  
0.3428

99.9995, 0.3127,  
0.3290

# Harmonies

## Analogous

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



73.0865, 0.4702, 0.4017



73.0865, 0.4266, 0.4556



73.0865, 0.3560, 0.4817

# Triad

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



73.0865, 0.4266, 0.4556



73.0865, 0.1785, 0.2846



73.0865, 0.3324, 0.2395

# Complementary

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



73.0865, 0.4266, 0.4556



22.3106, 0.1912, 0.1507

# 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.



73.0865, 0.2538, 0.2117



73.0865, 0.4266, 0.4556



73.0865, 0.1745, 0.2296

# Square

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



73.0865, 0.4266, 0.4556



73.0865, 0.2137, 0.3691



73.0865, 0.1997, 0.2070



73.0865, 0.4151, 0.2855



# Rectangle

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



73.0865, 0.4266, 0.4556



73.0865, 0.3035, 0.4684



73.0865, 0.1997, 0.2070



73.0865, 0.3043, 0.2280

# Sweetspot

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



73.0900, 0.4266, 0.4556



90.6590, 0.3449, 0.3693



28.9907, 0.4882, 0.2957



19.1440, 0.3497, 0.3752



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.



73.0900, 0.4266, 0.4556



69.2098, 0.4441, 0.4679



85.3617, 0.3707, 0.5025



20.4220, 0.3274, 0.3478



33.5987, 0.4609, 0.4722



3.4232, 0.4552, 0.4767



# Inverse Universe

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



22.3106, 0.1912, 0.1507



15.7099, 0.1721, 0.1160



18.5131, 0.2112, 0.1269



17.9799, 0.2979, 0.3095



5.2333, 0.1556, 0.0801



0.6564, 0.1610, 0.0994



# Previews

## White Background



This preview shows how the Yxy color 73.0865, 0.4266, 0.4556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

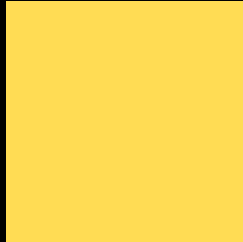
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.0865, 0.4266, 0.4556 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 73.0865, 0.4266, 0.4556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0865, 0.4266, 0.4556.



This preview shows how white text looks on a background with the Yxy color 73.0865, 0.4266, 0.4556.

# 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

73.0865, 0.4266, 0.4556

### Protanopia

73.3877, 0.4188, 0.4605

### Deuteranopia

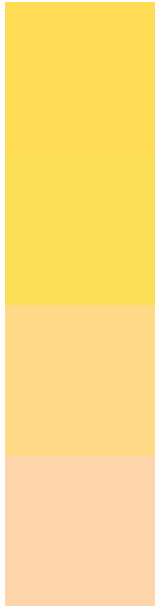
72.9804, 0.3811, 0.3846



## Tritanopia

73.1225, 0.3380, 0.3180

# Trichromacy



## Original Color

73.0865, 0.4266, 0.4556

## Protanomaly

73.4077, 0.4217, 0.4584

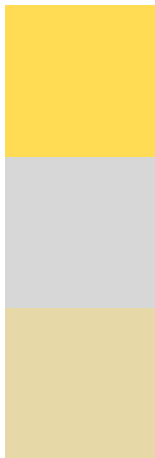
## Deuteranomaly

72.6069, 0.4002, 0.4130

## Tritanomaly

72.3317, 0.3745, 0.3724

# Monochromacy



## Original Color

73.0865, 0.4266, 0.4556

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.2387, 0.3575, 0.3843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0865, 0.4266, 0.4556 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0865, 0.4266, 0.4556 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, 84) }
```

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

```
.border{ border-color:rgb(255, 220, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
84) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 73.0865, 0.4266, 0.4556$  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, 84) }
```

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

```
.background{ background-color: rgb(255,  
220, 84) }
```

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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