

# Converting Colors

$Y_{xy}(72.1724, 0.4325, 0.4831)$

Have a look what the booklet for  
Yxy(72.1724, 0.4325, 0.4831)  
contains.

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# Color

**Yxy(71.9955, 0.4327, 0.4828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6DE29
RGB	246, 222, 41
RGB Percent	96%, 87%, 16%
CMY	0.0354, 0.1294, 0.8389
CMYK	0.00, 0.10, 0.83, 0.04
HSL	53°, 92%, 56%
HSV	53°, 83%, 96%
XYZ	64.5246, 71.9955, 12.6007
YIQ	208.5420, 72.4050, -51.2030

# Conversions

## Conversions Part 2

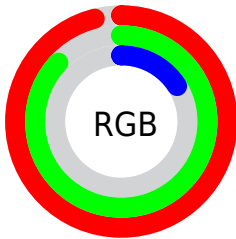
Format	Color
R <sub>Y</sub> B	68, 246, 41
Decimal	16178729
CIE Lab	87.97, -8.69, 81.79
CIE LCh	88, 82.250, 96.066
Yxy	71.9955, 0.4327, 0.4828
Android (android.graphics.Color)	4294368809 (0xFFFF6DE29)
YUV	208.5420, -82.5982, 32.8507
Hunter-Lab	84.8502, -12.7469, 50.5902

# Details

The Yxy color **71.9955, 0.4327, 0.4828** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **10.9135, 0.1639, 0.0920**, and the grayscale version is **63.9665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8206, 0.3961, 0.4668**, and **37.9517, 0.4375, 0.4908** is the 20% darker color. If you saturate the color by 10%, you get **70.3612, 0.4390, 0.4867**, and if you desaturate by 10%, it is **73.7699, 0.4236, 0.4744**.

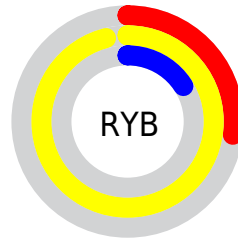
# Distribution



Red (96%)

Green (87%)

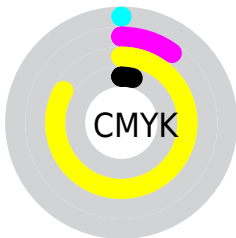
Blue (16%)



Red (27%)

Yellow (96%)

Blue (16%)

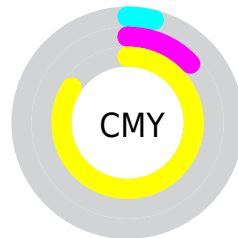


Cyan (0%)

Magenta (10%)

Yellow (83%)

Black (4%)



Cyan (4%)

Magenta (13%)


Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9955, 0.4327, 0.4828 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 71.9955, 0.4327, 0.4828 by changing the saturation by 10% instead.





 71.9955, 0.4327,  
0.4828


 71.9955, 0.4327,  
0.4828


467.5259, 0.3853,  
0.4183


 53.1550, 0.4403,  
0.4944


 122.0501, 0.4187,  
0.4627


 37.9265, 0.4478,  
0.5068


 154.0331, 0.4125,  
0.4542


 25.9257, 0.4544,  
0.5195

 191.1656, 0.4069,  
0.4466

 16.7680, 0.4624,  
0.5356

 233.8321, 0.4017,  
0.4397

 10.0692, 0.4588,  
0.5412

 282.4170, 0.3970,  
0.4335

 5.4449, 0.4522,  
0.5478

337.3047, 0.3928,

 2.5106, 0.4417,

0.4280

0.5583

398.8795, 0.3889,  
0.4229

■ 0.8819, 0.4152,  
0.5848

■ 0.0000, 0.0000,  
0.0000

■ 71.9955, 0.4327,  
0.4828

■ 71.9955, 0.4327,  
0.4828

■ 70.3612, 0.4390,  
0.4867


■ 73.7699, 0.4236,  
0.4744

■ 69.3207, 0.4419,  
0.4873


■ 75.6915, 0.4118,  
0.4615


■ 77.7782, 0.3978,  
0.4448


■ 80.0423, 0.3823,  
0.4251

 82.4950, 0.3659,  
0.4035

 85.1463, 0.3494,  
0.3809

 88.0055, 0.3332,  
0.3582

 91.0813, 0.3176,  
0.3361

 93.8909, 0.3074,  
0.3221

# Harmonies

## Analogous

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



71.9955, 0.4929, 0.4180



71.9955, 0.4327, 0.4828



71.9955, 0.3467, 0.5140

# Triad

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



71.9955, 0.4327, 0.4828



71.9955, 0.1538, 0.2619



71.9955, 0.3495, 0.2309

# Complementary

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



71.9955, 0.4327, 0.4828



10.9135, 0.1639, 0.0920

# 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.



71.9955, 0.2536, 0.1961



71.9955, 0.4327, 0.4828



71.9955, 0.1548, 0.2055

# Square

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



71.9955, 0.4327, 0.4828



71.9955, 0.1872, 0.3605



71.9955, 0.1875, 0.1862



71.9955, 0.4478, 0.2849



# Rectangle

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



71.9955, 0.4327, 0.4828



71.9955, 0.2856, 0.4933



71.9955, 0.1875, 0.1862



71.9955, 0.3153, 0.2168

# Sweetspot

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



71.9989, 0.4327, 0.4828



91.8857, 0.3523, 0.3849



21.6041, 0.5771, 0.3128



19.4481, 0.3581, 0.3929



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.



71.9989, 0.4327, 0.4828



75.2000, 0.4420, 0.4873



74.7038, 0.3613, 0.5386



18.9631, 0.3271, 0.3497



37.1417, 0.4415, 0.4876



3.3563, 0.4383, 0.4902



# Inverse Universe

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



10.9135, 0.1639, 0.0920



8.1402, 0.1519, 0.0668



11.9726, 0.1976, 0.0959



16.2389, 0.2979, 0.3074



4.1170, 0.1524, 0.0685



0.4611, 0.1568, 0.0846



# Previews

## White Background



This preview shows how the Yxy color 71.9955, 0.4327, 0.4828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

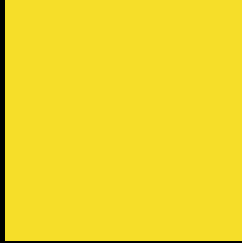
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9955, 0.4327, 0.4828 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 71.9955, 0.4327, 0.4828**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9955, 0.4327, 0.4828.



This preview shows how white text looks on a background with the Yxy color 71.9955, 0.4327, 0.4828.

# 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

71.9955, 0.4327, 0.4828

### Protanopia

71.8295, 0.4350, 0.4810

### Deuteranopia

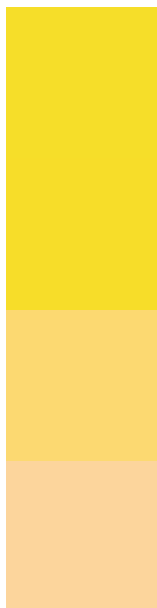
71.6862, 0.3876, 0.3907



## Tritanopia

71.6457, 0.3384, 0.3149

# Trichromacy



## Original Color

71.9955, 0.4327, 0.4828

## Protanomaly

71.6472, 0.4343, 0.4816

## Deuteranomaly

71.5134, 0.4110, 0.4326

## Tritanomaly

70.6842, 0.3842, 0.3883

# Monochromacy



## Original Color

71.9955, 0.4327, 0.4828

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.7608, 0.3655, 0.4038

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9955, 0.4327, 0.4828 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(246, 222, 41)` looks like.

```
.text, #text, p{  
    color:rgb(246, 222, 41)  
}
```

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(246, 222, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 222, 41) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9955, 0.4327, 0.4828 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(246, 222, 41) }
```

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

```
.border{ border-color:rgb(246, 222, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 222, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 222, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 222, 41);  
box-shadow:4px 4px 4px 4px rgb(246, 222,  
41) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9955, 0.4327, 0.4828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 222, 41) }
```

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

```
.background{ background-color: rgb(246,  
222, 41) }
```

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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