

# Converting Colors

$Y_{xy}(77.1520, 0.4275, 0.4829)$

Have a look what the booklet for  
Yxy(77.1520, 0.4275, 0.4829)  
contains.

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# **Color**

**Yxy(77.1479, 0.4275, 0.4829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAE632
RGB	250, 230, 50
RGB Percent	98%, 90%, 20%
CMY	0.0196, 0.0980, 0.8037
CMYK	0.00, 0.08, 0.80, 0.02
HSL	54°, 95%, 59%
HSV	54°, 80%, 98%
XYZ	68.2972, 77.1479, 14.3145
YIQ	215.4600, 69.7000, -51.7400

# Conversions

## Conversions Part 2

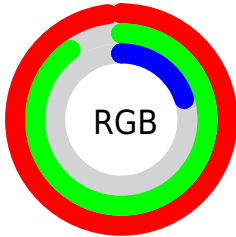
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	72, 250, 50
Decimal	16442930
CIE Lab	90.39, -10.73, 81.73
CIE LCh	90, 82.437, 97.482
Yxy	77.1479, 0.4275, 0.4829
Android (android.graphics.Color)	4294633010 (0xFFFAE632)
YUV	215.4600, -81.5718, 30.2916
Hunter-Lab	87.8339, -14.9126, 51.8211

# Details

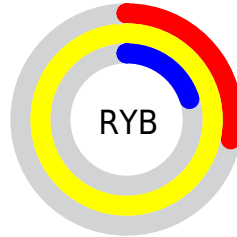
The Yxy color **77.1479, 0.4275, 0.4829** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **11.9677, 0.1669, 0.0962**, and the grayscale version is **68.8186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **41.4788, 0.4329, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **75.6099, 0.4342, 0.4885**, and if you desaturate by 10%, it is **78.8309, 0.4180, 0.4728**.

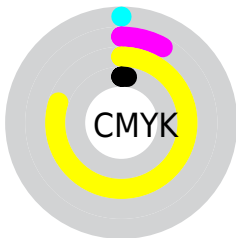
# Distribution



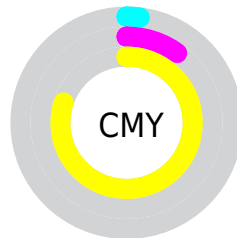
- Red (98%)
- Green (90%)
- Blue (20%)



- Red (28%)
- Yellow (98%)
- Blue (20%)



- Cyan (0%)
- Magenta (8%)
- Yellow (80%)
- Black (2%)




- Cyan (2%)
- Magenta (10%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1479, 0.4275, 0.4829 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 77.1479, 0.4275, 0.4829 by changing the saturation by 10% instead.




 77.1479, 0.4275,  
0.4829

 77.1479, 0.4275,  
0.4829


485.2681, 0.3827,  
0.4184

 57.3743, 0.4347,  
0.4947


 129.3482, 0.4143,  
0.4627

 41.3058, 0.4418,  
0.5074


 162.5437, 0.4085,  
0.4542


 28.5581, 0.4482,  
0.5208


 200.9820, 0.4031,  
0.4466

 18.7468, 0.4540,  
0.5357

 245.0474, 0.3983,  
0.4397

 11.4875, 0.4536,  
0.5464

 295.1243, 0.3938,  
0.4335

 6.3957, 0.4461,  
0.5539

351.5971, 0.3898,

 3.0872, 0.4345,

0.4280

0.5655

414.8503, 0.3861,  
0.4230

■ 1.1774, 0.4138,  
0.5862

■ 0.0431, 0.0000,  
1.0000

■ 77.1479, 0.4275,  
0.4829

■ 77.1479, 0.4275,  
0.4829

■ 75.6099, 0.4342,  
0.4885

■ 78.8309, 0.4180,  
0.4728

■ 74.1781, 0.4384,  
0.4901

■ 80.6646, 0.4059,  
0.4584

■ 74.1749, 0.4384,  
0.4901

■ 82.6670, 0.3918,  
0.4404

■ 84.8503, 0.3764,  
0.4197

 87.2257, 0.3601,  
0.3973

 89.8034, 0.3438,  
0.3742

 92.5926, 0.3279,  
0.3512

 95.6022, 0.3127,  
0.3290

 97.4804, 0.3097,  
0.3266

# Harmonies

## Analogous

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



77.1479, 0.4880, 0.4204



77.1479, 0.4275, 0.4829



77.1479, 0.3423, 0.5098

# Triad

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



77.1479, 0.4275, 0.4829



77.1479, 0.1557, 0.2599



77.1479, 0.3537, 0.2347

# Complementary

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



77.1479, 0.4275, 0.4829



11.9677, 0.1669, 0.0962

# 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.



77.1479, 0.2587, 0.1993



77.1479, 0.4275, 0.4829



77.1479, 0.1581, 0.2061

# Square

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



77.1479, 0.4275, 0.4829



77.1479, 0.1871, 0.3548



77.1479, 0.1919, 0.1884



77.1479, 0.4489, 0.2887



# Rectangle

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



77.1479, 0.4275, 0.4829



77.1479, 0.2824, 0.4865



77.1479, 0.1919, 0.1884



77.1479, 0.3200, 0.2205

# Sweetspot

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



77.1516, 0.4275, 0.4829



92.8239, 0.3504, 0.3836



23.0524, 0.5726, 0.3167



19.6637, 0.3562, 0.3918



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.



77.1516, 0.4275, 0.4829



78.1681, 0.4369, 0.4897



77.1487, 0.3573, 0.5369



19.8766, 0.3271, 0.3501



39.4674, 0.4380, 0.4904



3.7385, 0.4355, 0.4924



# Inverse Universe

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



11.9677, 0.1669, 0.0962



8.4689, 0.1532, 0.0691



13.9364, 0.2072, 0.1046



16.9221, 0.2979, 0.3069



4.1224, 0.1519, 0.0667



0.4719, 0.1557, 0.0804



# Previews

## White Background



This preview shows how the Yxy color 77.1479, 0.4275, 0.4829 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 77.1479, 0.4275, 0.4829 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 77.1479, 0.4275, 0.4829**

## Background



This preview shows how black text looks on a background with the Yxy color 77.1479, 0.4275, 0.4829.

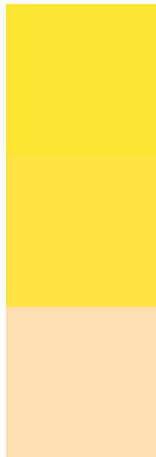


This preview shows how white text looks on a background with the Yxy color 77.1479, 0.4275, 0.4829.

# 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

77.1479, 0.4275, 0.4829

### Protanopia

77.1285, 0.4284, 0.4724

### Deuteranopia

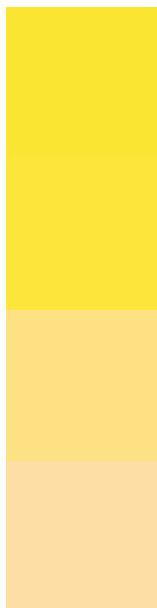
76.7169, 0.3677, 0.3741



## Tritanopia

77.1160, 0.3314, 0.3171

# Trichromacy



## Original Color

77.1479, 0.4275, 0.4829

## Protanomaly

77.2475, 0.4277, 0.4765

## Deuteranomaly

76.3718, 0.3966, 0.4235

## Tritanomaly

75.8418, 0.3753, 0.3877

# Monochromacy



## Original Color

77.1479, 0.4275, 0.4829

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

70.0469, 0.3634, 0.4009

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1479, 0.4275, 0.4829 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(250, 230, 50)` looks like.

```
.text, #text, p{  
    color:rgb(250, 230, 50)  
}
```

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(250, 230, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 230, 50) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1479, 0.4275, 0.4829 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(250, 230, 50) }
```

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

```
.border{ border-color:rgb(250, 230, 50) }
```

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

Here you see how a box with a 4 pixel rgb(250, 230, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 230, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 230, 50);  
box-shadow:4px 4px 4px 4px rgb(250, 230,  
50) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 77.1479, 0.4275, 0.4829$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 230, 50) }
```

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

```
.background{ background-color: rgb(250,  
230, 50) }
```

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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