

# Converting Colors

Yxy(78.5086, 0.4178, 0.4600)

Have a look what the booklet for  
Yxy(78.5086, 0.4178, 0.4600)  
contains.

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# Color

**Yxy(78.5749, 0.4177, 0.4601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE659
RGB	255, 230, 89
RGB Percent	100%, 90%, 35%
CMY	0.0001, 0.0980, 0.6508
CMYK	0.00, 0.10, 0.65, 0.00
HSL	51°, 100%, 67%
HSV	51°, 65%, 100%
XYZ	71.3339, 78.5749, 20.8691
YIQ	221.4010, 60.1610, -38.5510

# Conversions

## Conversions Part 2

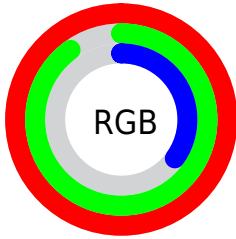
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 255, 89
Decimal	16770649
CIE Lab	91.04, -7.00, 69.24
CIE LCh	91, 69.595, 95.775
Yxy	78.5749, 0.4177, 0.4601
Android (android.graphics.Color)	4294960729 (0xFFFFE659)
YUV	221.4010, -65.2737, 29.4663
Hunter-Lab	88.6425, -11.4787, 48.0911

# Details

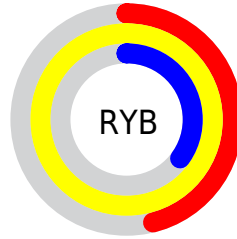
The Yxy color **78.5749, 0.4177, 0.4601** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.3817, 0.1920, 0.1457**, and the grayscale version is **73.0432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **42.3412, 0.4343, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **76.1102, 0.4301, 0.4718**, and if you desaturate by 10%, it is **81.2423, 0.4030, 0.4444**.

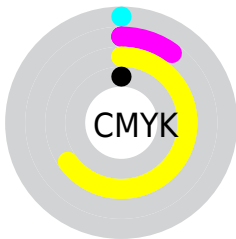
# Distribution



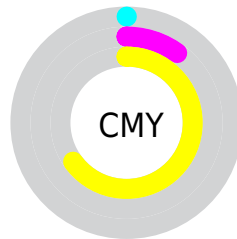
- Red (100%)
- Green (90%)
- Blue (35%)



- Red (46%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (10%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.5749, 0.4177, 0.4601 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 78.5749, 0.4177, 0.4601 by changing the saturation by 10% instead.




 78.5749, 0.4177,  
0.4601


 78.5749, 0.4177,  
0.4601


490.1171, 0.3744,  
0.4038


 58.5464, 0.4256,  
0.4711


 131.3602, 0.4041,  
0.4419

 42.2480, 0.4343,  
0.4835


 164.8858, 0.3984,  
0.4344

 29.2956, 0.4433,  
0.4973


 203.6792, 0.3933,  
0.4278

 19.3045, 0.4521,  
0.5120

 248.1248, 0.3887,  
0.4219

 11.8905, 0.4635,  
0.5318

298.6070, 0.3846,  
0.4166

 6.6692, 0.4610,  
0.5390

355.5102, 0.3808,

 3.2561, 0.4538,

0.4119

0.5462

419.2187, 0.3774,  
0.4076

■ 1.2668, 0.4411,  
0.5589

■ 0.1153, 0.0000,  
1.0000

■ 78.5749, 0.4177,  
0.4601

■ 78.5749, 0.4177,  
0.4601

■ 76.1102, 0.4301,  
0.4718

■ 81.2423, 0.4030,  
0.4444

■ 73.8207, 0.4398,  
0.4790

■ 84.1153, 0.3869,  
0.4257

■ 71.6900, 0.4467,  
0.4815

■ 87.2101, 0.3699,  
0.4049

■ 70.6845, 0.4492,  
0.4815

■ 90.5380, 0.3529,  
0.3831

■ 94.1095, 0.3362,  
0.3611

■ 97.9342, 0.3204,  
0.3396

99.9945, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.5749, 0.4654, 0.4089



78.5749, 0.4177, 0.4601



78.5749, 0.3457, 0.4797

# Triad

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



78.5749, 0.4177, 0.4601



78.5749, 0.1774, 0.2761



78.5749, 0.3433, 0.2454

# Complementary

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



78.5749, 0.4177, 0.4601



21.3817, 0.1920, 0.1457

# 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.



78.5749, 0.2634, 0.2151



78.5749, 0.4177, 0.4601



78.5749, 0.1772, 0.2259

# Square

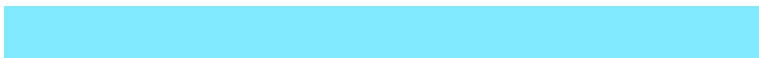
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.5749, 0.4177, 0.4601



78.5749, 0.2083, 0.3570



78.5749, 0.2060, 0.2072



78.5749, 0.4233, 0.2928



# Rectangle

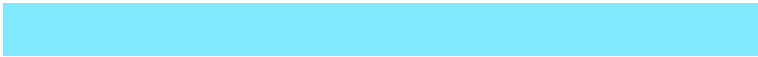
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.5749, 0.4177, 0.4601



78.5749, 0.2937, 0.4608



78.5749, 0.2060, 0.2072



78.5749, 0.3151, 0.2330

# Sweetspot

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



78.5786, 0.4177, 0.4601



92.3425, 0.3444, 0.3719



29.6858, 0.4917, 0.3041



19.5522, 0.3491, 0.3781



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.



78.5786, 0.4177, 0.4601



75.4417, 0.4333, 0.4744



84.4570, 0.3642, 0.5019



20.5977, 0.3273, 0.3490



37.1201, 0.4487, 0.4820



3.7350, 0.4448, 0.4850



# Inverse Universe

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



21.3817, 0.1920, 0.1457



14.7220, 0.1718, 0.1099



20.3338, 0.2208, 0.1353



17.8186, 0.2979, 0.3082



4.6399, 0.1534, 0.0721



0.5755, 0.1581, 0.0890



# Previews

## White Background



This preview shows how the Yxy color 78.5749, 0.4177, 0.4601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

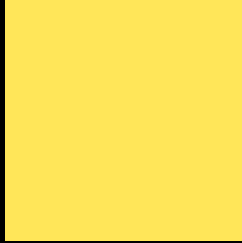
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.5749, 0.4177, 0.4601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

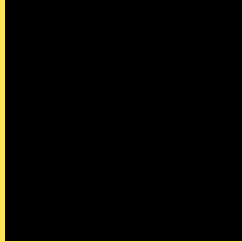
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.5749, 0.4177, 0.4601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.5749, 0.4177, 0.4601.

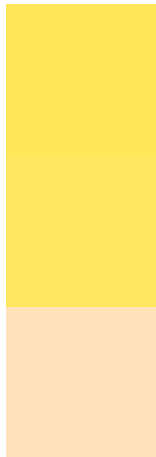


This preview shows how white text looks on a background with the Yxy color 78.5749, 0.4177, 0.4601.

# 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

78.5749, 0.4177, 0.4601

### Protanopia

78.7167, 0.4141, 0.4547

### Deuteranopia

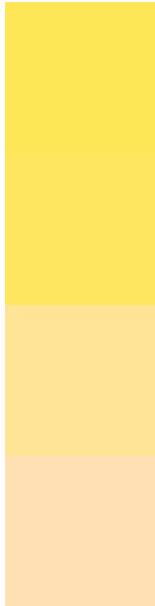
78.6556, 0.3612, 0.3688



## Tritanopia

78.2159, 0.3305, 0.3181

# Trichromacy



**Original Color**

78.5749, 0.4177, 0.4601

**Protanomaly**

78.6618, 0.4155, 0.4568

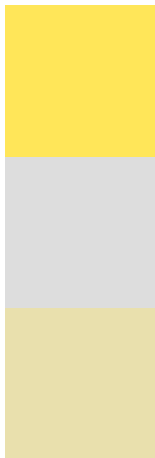
**Deuteranomaly**

78.4325, 0.3845, 0.4059

**Tritanomaly**

77.8260, 0.3664, 0.3750

# Monochromacy



**Original Color**

78.5749, 0.4177, 0.4601

**Achromatopsia**

72.3055, 0.3127, 0.3290

**Achromatomaly**

73.6521, 0.3538, 0.3843

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.5749, 0.4177, 0.4601 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, 230, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 89)  
}
```

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, 230, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 78.5749, 0.4177, 0.4601 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, 230, 89) }
```

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

```
.border{ border-color:rgb(255, 230, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.5749, 0.4177, 0.4601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 89) }
```

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

```
.background{ background-color: rgb(255,  
230, 89) }
```

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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