

# Converting Colors

$Yxy(76.5213, 0.4320, 0.4761)$

Have a look what the booklet for  
Yxy(76.5213, 0.4320, 0.4761)  
contains.

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# Color

**Yxy(76.4740, 0.4321, 0.4762)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE337
RGB	255, 227, 55
RGB Percent	100%, 89%, 22%
CMY	0.0001, 0.1097, 0.7840
CMYK	0.00, 0.11, 0.78, 0.00
HSL	52°, 100%, 61%
HSV	52°, 78%, 100%
XYZ	69.3919, 76.4740, 14.7263
YIQ	215.7640, 71.9000, -47.5560

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	88, 255, 55
Decimal	16769847
CIE Lab	90.08, -7.01, 80.23
CIE LCh	90, 80.539, 94.997
Yxy	76.4740, 0.4321, 0.4762
Android (android.graphics.Color)	4294959927 (0xFFFFE337)
YUV	215.7640, -79.2567, 34.4100
Hunter-Lab	87.4494, -11.3951, 51.2303

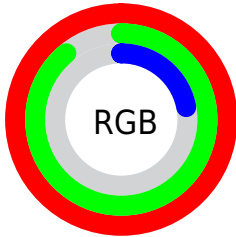
# Details

The Yxy color **76.4740, 0.4321, 0.4762** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **14.2229, 0.1707, 0.1069**, and the grayscale version is **69.0189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **40.9744, 0.4408, 0.4882** is the 20% darker color. If you saturate the color by 10%, you get **74.3622, 0.4405, 0.4819**, and if you desaturate by 10%, it is **78.7597, 0.4209, 0.4658**.

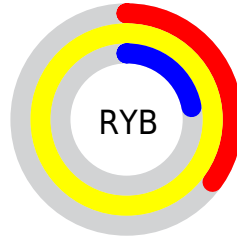
# Distribution



Red (100%)

Green (89%)

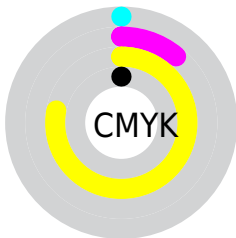
Blue (22%)



Red (35%)

Yellow (100%)

Blue (22%)

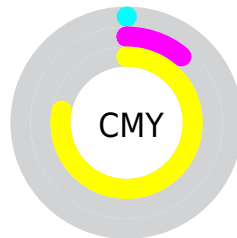


Cyan (0%)

Magenta (11%)

Yellow (78%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4740, 0.4321, 0.4762 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 76.4740, 0.4321, 0.4762 by changing the saturation by 10% instead.



 76.4740, 0.4321,  
0.4762

 76.4740, 0.4321,  
0.4762


482.9687, 0.3846,  
0.4149


 56.8213, 0.4400,  
0.4873


 128.3967, 0.4179,  
0.4571


 40.8618, 0.4481,  
0.4992


 161.4355, 0.4117,  
0.4490


 28.2111, 0.4557,  
0.5116

 199.7051, 0.4060,  
0.4418

 18.4848, 0.4630,  
0.5249

 243.5898, 0.4009,  
0.4353

 11.2986, 0.4653,  
0.5347

 293.4742, 0.3962,  
0.4294

 6.2681, 0.4604,  
0.5396

349.7425, 0.3920,

 3.0088, 0.4528,

0.4241

0.5472

412.7792, 0.3882,  
0.4193

■ 1.1363, 0.4393,  
0.5607

■ 0.0087, 0.0000,  
1.0000

■ 76.4740, 0.4321,  
0.4762

■ 76.4740, 0.4321,  
0.4762

■ 74.3622, 0.4405,  
0.4819

■ 78.7597, 0.4209,  
0.4658

■ 72.3892, 0.4461,  
0.4833

■ 81.2256, 0.4072,  
0.4513

■ 72.0815, 0.4469,  
0.4834

■ 83.8901, 0.3918,  
0.4333

■ 86.7660, 0.3753,  
0.4129

89.8649, 0.3583,  
0.3911

93.1976, 0.3416,  
0.3689

96.7739, 0.3255,  
0.3469

99.9943, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.4740, 0.4881, 0.4140



76.4740, 0.4321, 0.4762



76.4740, 0.3496, 0.5063

# Triad

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



76.4740, 0.4321, 0.4762



76.4740, 0.1594, 0.2677



76.4740, 0.3448, 0.2326

# Complementary

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



76.4740, 0.4321, 0.4762



14.2229, 0.1707, 0.1069

# 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.



76.4740, 0.2531, 0.1995



76.4740, 0.4321, 0.4762



76.4740, 0.1591, 0.2112

# Square

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



76.4740, 0.4321, 0.4762



76.4740, 0.1936, 0.3634



76.4740, 0.1900, 0.1909



76.4740, 0.4396, 0.2847



# Rectangle

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



76.4740, 0.4321, 0.4762



76.4740, 0.2905, 0.4878



76.4740, 0.1900, 0.1909



76.4740, 0.3120, 0.2191

# Sweetspot

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



76.4777, 0.4321, 0.4762



91.3266, 0.3509, 0.3813



24.6504, 0.5535, 0.3084



19.2978, 0.3569, 0.3893



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.



76.4777, 0.4321, 0.4762



73.2621, 0.4439, 0.4832



82.0922, 0.3641, 0.5295



20.6320, 0.3273, 0.3493



37.8410, 0.4464, 0.4838



3.7984, 0.4428, 0.4866



# Inverse Universe

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



14.2229, 0.1707, 0.1069



9.5057, 0.1556, 0.0765



14.3201, 0.2019, 0.1037



17.7873, 0.2979, 0.3079



4.5448, 0.1530, 0.0708



0.5609, 0.1575, 0.0870



# Previews

## White Background



This preview shows how the Yxy color 76.4740, 0.4321, 0.4762 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

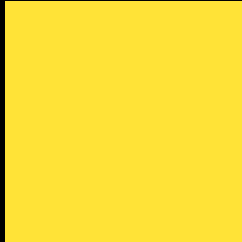
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.4740, 0.4321, 0.4762 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 76.4740, 0.4321, 0.4762**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4740, 0.4321, 0.4762.



This preview shows how white text looks on a background with the Yxy color 76.4740, 0.4321, 0.4762.

# 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

76.4740, 0.4321, 0.4762

### Protanopia

76.4740, 0.4321, 0.4762

### Deuteranopia

76.1075, 0.3694, 0.3752



## Tritanopia

76.4871, 0.3329, 0.3181

# Trichromacy



## Original Color

76.4740, 0.4321, 0.4762

## Protanomaly

76.4740, 0.4321, 0.4762

## Deuteranomaly

75.7013, 0.3985, 0.4202

## Tritanomaly

75.6895, 0.3772, 0.3864

# Monochromacy



## Original Color

76.4740, 0.4321, 0.4762

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

70.4437, 0.3636, 0.3983

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4740, 0.4321, 0.4762 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, 227, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 55)  
}
```

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, 227, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4740, 0.4321, 0.4762 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, 227, 55) }
```

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

```
.border{ border-color:rgb(255, 227, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4740, 0.4321, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 55) }
```

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

```
.background{ background-color: rgb(255,  
227, 55) }
```

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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