

# Converting Colors

$Y_{xy}(82.8485, 0.4405, 0.4362)$

Have a look what the booklet for  
Yxy(82.8485, 0.4405, 0.4362)  
contains.

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# Color

**Yxy(76.0113, 0.4162, 0.4493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE163
RGB	255, 225, 99
RGB Percent	100%, 88%, 39%
CMY	0.0001, 0.1176, 0.6119
CMYK	0.00, 0.12, 0.61, 0.00
HSL	48°, 100%, 69%
HSV	48°, 61%, 100%
XYZ	70.4115, 76.0113, 22.7543
YIQ	219.6060, 58.3260, -32.8260

# Conversions

## Conversions Part 2

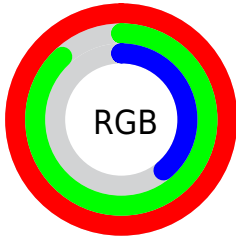
Format	Color
R <sub>Y</sub> B	136, 255, 99
Decimal	16769379
CIE Lab	89.86, -3.90, 63.84
CIE LCh	90, 63.958, 93.493
Yxy	76.0113, 0.4162, 0.4493
Android (android.graphics.Color)	4294959459 (0xFFFFE163)
YUV	219.6060, -59.4588, 31.0405
Hunter-Lab	87.1845, -8.4134, 45.5550

# Details

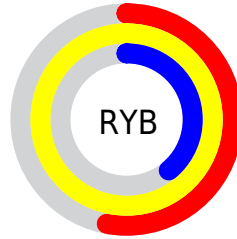
The Yxy color **76.0113, 0.4162, 0.4493** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.5520, 0.2009, 0.1654**, and the grayscale version is **71.6714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **40.5260, 0.4340, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **72.9913, 0.4310, 0.4621**, and if you desaturate by 10%, it is **79.2683, 0.3996, 0.4329**.

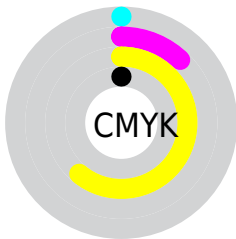
# Distribution



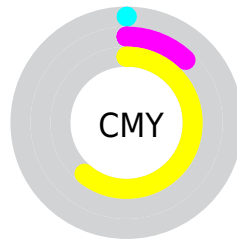
- Red (100%)
- Green (88%)
- Blue (39%)



- Red (53%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0113, 0.4162, 0.4493 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 76.0113, 0.4162, 0.4493 by changing the saturation by 10% instead.




 76.0113, 0.4162,  
0.4493

 76.0113, 0.4162,  
0.4493


481.3864, 0.3723,  
0.3971

 56.4418, 0.4246,  
0.4596


 127.7429, 0.4021,  
0.4323

 40.5572, 0.4341,  
0.4715


 160.6737, 0.3963,  
0.4254

 27.9733, 0.4445,  
0.4847


 198.8271, 0.3911,  
0.4192

 18.3055, 0.4552,  
0.4992

 242.5875, 0.3865,  
0.4138

 11.1696, 0.4676,  
0.5166

292.3392, 0.3824,  
0.4089

 6.1810, 0.4724,  
0.5276

348.4667, 0.3787,

 2.9554, 0.4682,

0.4046

0.5318

411.3542, 0.3753,  
0.4007

■ 1.1085, 0.4607,  
0.5393

■ 0.0000, 0.0000,  
0.0000

■ 76.0113, 0.4162,  
0.4493

■ 76.0113, 0.4162,  
0.4493

■ 72.9913, 0.4310,  
0.4621

■ 79.2683, 0.3996,  
0.4329

■ 70.1819, 0.4433,  
0.4705

■ 82.7653, 0.3821,  
0.4139

■ 67.5679, 0.4527,  
0.4742

■ 86.5182, 0.3642,  
0.3935

■ 65.4016, 0.4588,  
0.4739

■ 90.5383, 0.3468,  
0.3724

■ 94.8360, 0.3301,  
0.3515

■ 99.4209, 0.3145,  
0.3313

■ 99.9970, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.0113, 0.4575, 0.4012



76.0113, 0.4162, 0.4493



76.0113, 0.3501, 0.4689

# Triad

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



76.0113, 0.4162, 0.4493



76.0113, 0.1868, 0.2853



76.0113, 0.3355, 0.2476

# Complementary

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



76.0113, 0.4162, 0.4493



25.5520, 0.2009, 0.1654

# 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.



76.0113, 0.2619, 0.2204



76.0113, 0.4162, 0.4493



76.0113, 0.1842, 0.2352

# Square

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



76.0113, 0.4162, 0.4493



76.0113, 0.2187, 0.3617



76.0113, 0.2096, 0.2149



76.0113, 0.4106, 0.2917



# Rectangle

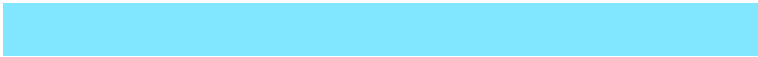
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0113, 0.4162, 0.4493



76.0113, 0.3013, 0.4537



76.0113, 0.2096, 0.2149



76.0113, 0.3095, 0.2364

# Sweetspot

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



76.0149, 0.4162, 0.4493



91.8914, 0.3414, 0.3657



31.7895, 0.4682, 0.2993



19.4066, 0.3463, 0.3718



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.



76.0149, 0.4162, 0.4493



72.4775, 0.4334, 0.4640



85.8455, 0.3663, 0.4908



20.4627, 0.3274, 0.3481



34.3897, 0.4580, 0.4746



3.4936, 0.4527, 0.4787



# Inverse Universe

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



25.5520, 0.2009, 0.1654



18.5031, 0.1811, 0.1314



22.2251, 0.2234, 0.1447



17.9423, 0.2979, 0.3092



5.0794, 0.1550, 0.0781



0.6363, 0.1602, 0.0968



# Previews

## White Background



This preview shows how the Yxy color 76.0113, 0.4162, 0.4493 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 76.0113, 0.4162, 0.4493 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 76.0113, 0.4162, 0.4493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0113, 0.4162, 0.4493.

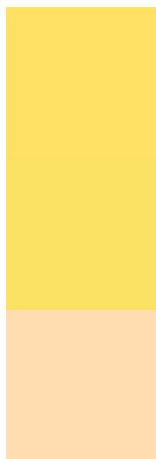


This preview shows how white text looks on a background with the Yxy color 76.0113, 0.4162, 0.4493.

# 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

76.0113, 0.4162, 0.4493

### Protanopia

75.8028, 0.4125, 0.4517

### Deuteranopia

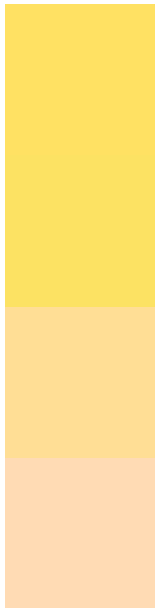
76.1472, 0.3687, 0.3742



## Tritanopia

75.9178, 0.3337, 0.3180

# Trichromacy



**Original Color**

76.0113, 0.4162, 0.4493

**Protanomaly**

75.9890, 0.4133, 0.4513

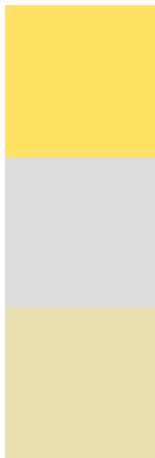
**Deuteranomaly**

75.6725, 0.3879, 0.4032

**Tritanomaly**

75.2183, 0.3671, 0.3691

# Monochromacy



**Original Color**

76.0113, 0.4162, 0.4493

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.7008, 0.3522, 0.3790

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0113, 0.4162, 0.4493 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, 225, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 99)  
}
```

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, 225, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 99) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0113, 0.4162, 0.4493 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, 225, 99) }
```

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

```
.border{ border-color:rgb(255, 225, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
99) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0113, 0.4162, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 99) }
```

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

```
.background{ background-color: rgb(255,  
225, 99) }
```

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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