

# Converting Colors

$Y_{xy}(76.2531, 0.4008, 0.4450)$

Have a look what the booklet for  
Yxy(76.2531, 0.4008, 0.4450)  
contains.

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# Color

**Yxy(76.2495, 0.4008, 0.4450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E470
RGB	246, 228, 112
RGB Percent	96%, 89%, 44%
CMY	0.0353, 0.1059, 0.5608
CMYK	0.00, 0.07, 0.54, 0.04
HSL	52°, 88%, 70%
HSV	52°, 54%, 96%
XYZ	68.6760, 76.2495, 26.4217
YIQ	220.1580, 47.9640, -32.2600

# Conversions

## Conversions Part 2

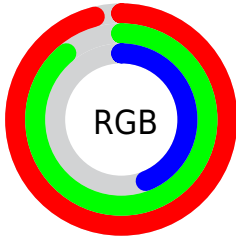
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	133, 246, 112
Decimal	16180336
CIE <sub>Lab</sub>	89.98, -8.12, 57.97
CIE <sub>LCh</sub>	90, 58.535, 97.975
Yxy	76.2495, 0.4008, 0.4450
Android (android.graphics.Color)	4294370416 (0xFFFF6E470)
YUV	220.1580, -53.3219, 22.6634
Hunter-Lab	87.3210, -12.4255, 43.1846

# Details

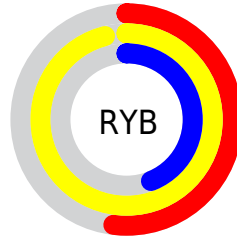
The Yxy color **76.2495, 0.4008, 0.4450** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.0609, 0.2116, 0.1762**, and the grayscale version is **72.0426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **40.7574, 0.4165, 0.4689** is the 20% darker color. If you saturate the color by 10%, you get **73.9767, 0.4151, 0.4611**, and if you desaturate by 10%, it is **78.7138, 0.3850, 0.4259**.

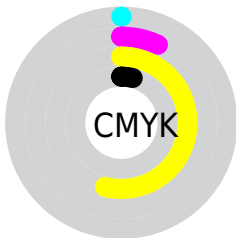
# Distribution



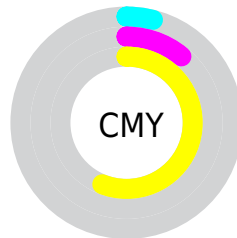
- Red (96%)
- Green (89%)
- Blue (44%)



- Red (52%)
- Yellow (96%)
- Blue (44%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (4%)




- Cyan (4%)
- Magenta (11%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2495, 0.4008, 0.4450 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 76.2495, 0.4008, 0.4450 by changing the saturation by 10% instead.




 76.2495, 0.4008,  
0.4450


 76.2495, 0.4008,  
0.4450


482.2014, 0.3632,  
0.3933


 56.6371, 0.4082,  
0.4558


 128.0795, 0.3887,  
0.4278

 40.7140, 0.4165,  
0.4683


 161.0660, 0.3836,  
0.4209

 28.0957, 0.4258,  
0.4831


 199.2792, 0.3792,  
0.4148

 18.3978, 0.4357,  
0.5001

243.1037, 0.3753,  
0.4095

 11.2359, 0.4454,  
0.5193

292.9237, 0.3718,  
0.4048

 6.2258, 0.4560,  
0.5440

349.1237, 0.3686,

 2.9828, 0.4472,

0.4005

412.0882, 0.3658,  
0.3967

0.5528

■ 1.1228, 0.4313,  
0.5687

■ 0.0000, 0.0000,  
0.0000

■ 76.2495, 0.4008,  
0.4450

■ 76.2495, 0.4008,  
0.4450

■ 73.9767, 0.4151,  
0.4611

■ 78.7138, 0.3850,  
0.4259

■ 71.8721, 0.4271,  
0.4733


■ 81.3703, 0.3684,  
0.4048

■ 69.9245, 0.4365,  
0.4810

■ 84.2328, 0.3516,  
0.3826

■ 68.1159, 0.4430,  
0.4841


■ 87.3106, 0.3351,  
0.3603

 67.1625, 0.4456,  
0.4844

 90.6126, 0.3194,  
0.3385

 93.8477, 0.3074,  
0.3220

 95.8963, 0.3073,  
0.3252

 97.9809, 0.3072,  
0.3284

 98.3346, 0.3072,  
0.3290

# Harmonies

## Analogous

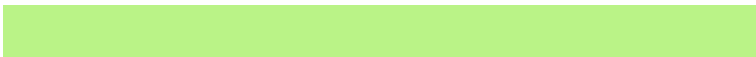
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2495, 0.4425, 0.4044



76.2495, 0.4008, 0.4450



76.2495, 0.3380, 0.4550

# Triad

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



76.2495, 0.4008, 0.4450



76.2495, 0.1941, 0.2810



76.2495, 0.3447, 0.2590

# Complementary

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



76.2495, 0.4008, 0.4450



26.0609, 0.2116, 0.1762

# 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.



76.2495, 0.2754, 0.2308



76.2495, 0.4008, 0.4450



76.2495, 0.1954, 0.2384

# Square

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



76.2495, 0.4008, 0.4450



76.2495, 0.2202, 0.3481



76.2495, 0.2231, 0.2227



76.2495, 0.4109, 0.3021



# Rectangle

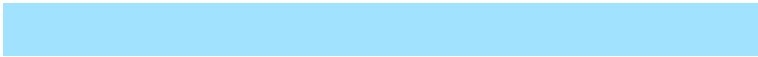
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2495, 0.4008, 0.4450



76.2495, 0.2932, 0.4355



76.2495, 0.2231, 0.2227



76.2495, 0.3207, 0.2476

# Sweetspot

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



76.2531, 0.4008, 0.4450



94.1977, 0.3377, 0.3637



32.8479, 0.4505, 0.3084



20.0122, 0.3410, 0.3683



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.



76.2531, 0.4008, 0.4450



80.1115, 0.4159, 0.4620



79.2431, 0.3578, 0.4768



18.9115, 0.3272, 0.3493



35.9970, 0.4451, 0.4848



3.2668, 0.4414, 0.4877



# Inverse Universe

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



26.0609, 0.2116, 0.1762



20.8386, 0.1914, 0.1428



25.5994, 0.2407, 0.1679



16.2856, 0.2979, 0.3078



4.2472, 0.1529, 0.0704

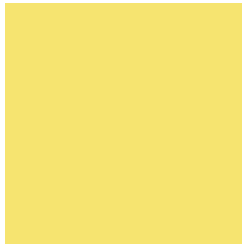


0.4832, 0.1578, 0.0881



# Previews

## White Background



This preview shows how the Yxy color 76.2495, 0.4008, 0.4450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

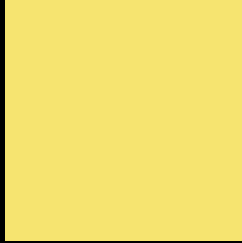
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2495, 0.4008, 0.4450 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 76.2495, 0.4008, 0.4450**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2495, 0.4008, 0.4450.

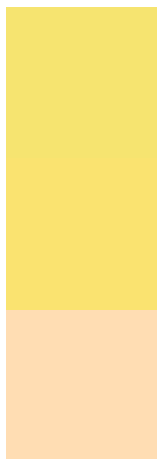


This preview shows how white text looks on a background with the Yxy color 76.2495, 0.4008, 0.4450.

# 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

76.2495, 0.4008, 0.4450

### Protanopia

76.4320, 0.4044, 0.4427

### Deuteranopia

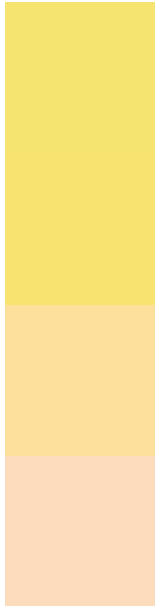
76.2276, 0.3672, 0.3721



## Tritanopia

76.1413, 0.3309, 0.3141

# Trichromacy



## Original Color

76.2495, 0.4008, 0.4450

## Protanomaly

76.2478, 0.4036, 0.4431

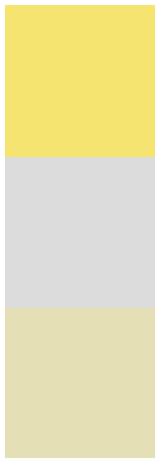
## Deuteranomaly

76.3733, 0.3807, 0.3998

## Tritanomaly

75.5127, 0.3588, 0.3621

# Monochromacy



## Original Color

76.2495, 0.4008, 0.4450

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.7696, 0.3455, 0.3750

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2495, 0.4008, 0.4450 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, 228, 112)` looks like.

```
.text, #text, p{  
    color:rgb(246, 228, 112)  
}
```

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, 228, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 228, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2495, 0.4008, 0.4450 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, 228, 112) }
```

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

```
.border{ border-color:rgb(246, 228, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 228, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 228, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 228, 112); box-shadow:4px 4px 4px 4px rgb(246, 228, 112) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2495, 0.4008, 0.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 228, 112) }
```

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

```
.background{ background-color: rgb(246,  
228, 112) }
```

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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