

Converting Colors

$Y_{xy}(70.5533, 0.4387, 0.4870)$

Have a look what the booklet for
Yxy(70.5533, 0.4387, 0.4870)
contains.

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Color

Yxy(70.8166, 0.4383, 0.4873)

Conversions

Conversions Part 1

Format	Color
Hex	F6DC10
RGB	246, 220, 16
RGB Percent	96%, 86%, 6%
CMY	0.0353, 0.1372, 0.9362
CMYK	0.00, 0.11, 0.93, 0.04
HSL	53°, 93%, 51%
HSV	53°, 93%, 96%
XYZ	63.6957, 70.8166, 10.8121
YIQ	204.5180, 80.9800, -57.9320

Conversions

Conversions Part 2

Format	Color
R _Y B	45, 246, 16
Decimal	16178192
CIE Lab	87.40, -8.12, 85.65
CIE LCh	87, 86.038, 95.417
Yxy	70.8166, 0.4383, 0.4873
Android (android.graphics.Color)	4294368272 (0xFFF6DC10)
YUV	204.5180, -92.9394, 36.3797
Hunter-Lab	84.1526, -12.1591, 51.2891

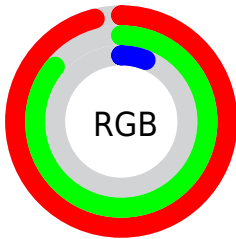
Details

The Yxy color **70.8166, 0.4383, 0.4873** 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 **8.4425, 0.1552, 0.0740**, and the grayscale version is **61.3133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **37.2246, 0.4397, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **69.8200, 0.4411, 0.4879**, and if you desaturate by 10%, it is **72.4148, 0.4321, 0.4834**.

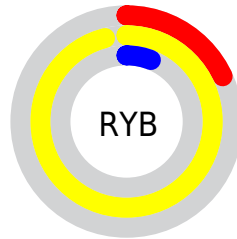
Distribution



Red (96%)

Green (86%)

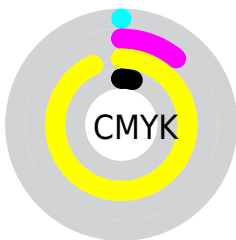
Blue (6%)



Red (18%)

Yellow (96%)

Blue (6%)

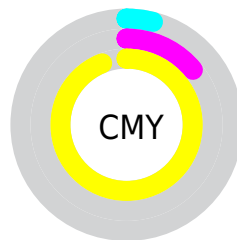


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (14%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8166, 0.4383, 0.4873 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 70.8166, 0.4383, 0.4873 by changing the saturation by 10% instead.


 70.8166, 0.4383,
0.4873

 70.8166, 0.4383,
0.4873


463.4121, 0.3895,
0.4220


 52.1925, 0.4458,
0.4986


 120.3725, 0.4242,
0.4673

 37.1586, 0.4529,
0.5103


 152.0732, 0.4178,
0.4587


 25.3303, 0.4589,
0.5220


 188.9016, 0.4120,
0.4510

 16.3233, 0.4647,
0.5353

 231.2420, 0.4066,
0.4440

 9.7532, 0.4604,
0.5396

 279.4788, 0.4017,
0.4376

 5.2356, 0.4541,
0.5459

 333.9965, 0.3973,

 2.3862, 0.4440,

0.4319

0.5560

395.1795, 0.3932,
0.4267

■ 0.8188, 0.4146,
0.5854

■ 0.0000, 0.0000,
0.0000

■ 70.8166, 0.4383,
0.4873

■ 70.8166, 0.4383,
0.4873


■ 69.8200, 0.4411,
0.4879


■ 72.4148, 0.4321,
0.4834


■ 74.1411, 0.4232,
0.4750


■ 76.0162, 0.4115,
0.4621

■ 78.0547, 0.3977,
0.4453

 80.2689, 0.3823,
0.4256

 82.6699, 0.3660,
0.4040

 85.2678, 0.3495,
0.3813

 88.0718, 0.3333,
0.3586

 91.0906, 0.3178,
0.3363

Harmonies

Analogous

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



70.8166, 0.5013, 0.4183



70.8166, 0.4383, 0.4873



70.8166, 0.3488, 0.5238

Triad

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



70.8166, 0.4383, 0.4873



70.8166, 0.1477, 0.2597



70.8166, 0.3486, 0.2258

Complementary

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



70.8166, 0.4383, 0.4873



8.4425, 0.1552, 0.0740

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.



70.8166, 0.2488, 0.1904



70.8166, 0.4383, 0.4873



70.8166, 0.1484, 0.2007

Square

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



70.8166, 0.4383, 0.4873



70.8166, 0.1825, 0.3642



70.8166, 0.1812, 0.1806



70.8166, 0.4528, 0.2811

Rectangle

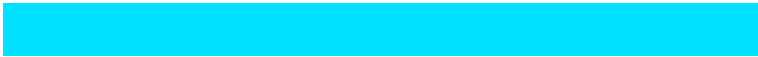
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8166, 0.4383, 0.4873



70.8166, 0.2853, 0.5045



70.8166, 0.1812, 0.1806



70.8166, 0.3127, 0.2114

Sweetspot

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



70.8200, 0.4383, 0.4873



91.1758, 0.3572, 0.3920



20.1475, 0.6140, 0.3202



19.2582, 0.3643, 0.4017



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.



70.8200, 0.4383, 0.4873



75.7279, 0.4412, 0.4879



73.2158, 0.3558, 0.5525



18.9744, 0.3271, 0.3498



37.3974, 0.4407, 0.4883



3.3762, 0.4377, 0.4907

Inverse Universe

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



8.4425, 0.1552, 0.0740



8.0920, 0.1518, 0.0665



9.9963, 0.1873, 0.0830



16.2286, 0.2979, 0.3073



4.0904, 0.1523, 0.0681



0.4563, 0.1566, 0.0838

Previews

White Background



This preview shows how the Yxy color 70.8166, 0.4383, 0.4873 looks on a white background.

Color Contrast Check

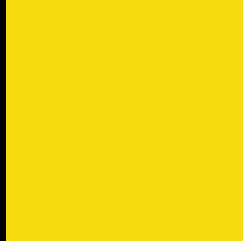
Large Text (above 18pt) WCAG AA × Fail

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 70.8166, 0.4383, 0.4873 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 70.8166, 0.4383, 0.4873

Background



This preview shows how black text looks on a background with the Yxy color 70.8166, 0.4383, 0.4873.



This preview shows how white text looks on a background with the Yxy color 70.8166, 0.4383, 0.4873.

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

70.8166, 0.4383, 0.4873

Protanopia

70.9980, 0.4391, 0.4868

Deuteranopia

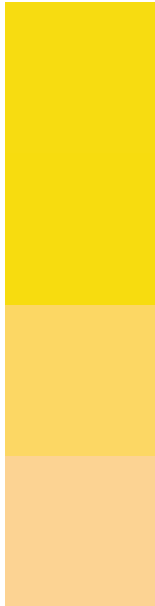
70.4536, 0.3935, 0.3958



Tritanopia

70.5699, 0.3401, 0.3149

Trichromacy



Original Color

70.8166, 0.4383, 0.4873

Protanomaly

70.9980, 0.4391, 0.4868

Deuteranomaly

70.1972, 0.4202, 0.4422

Tritanomaly

69.3593, 0.3923, 0.3964

Monochromacy



Original Color

70.8166, 0.4383, 0.4873

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.0864, 0.3737, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8166, 0.4383, 0.4873 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, 220, 16)` looks like.

```
.text, #text, p{  
    color:rgb(246, 220, 16)  
}
```

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, 220, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 220, 16) }
```

Border

The CSS property to change the border of an element to Yxy 70.8166, 0.4383, 0.4873 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, 220, 16) }
```

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

```
.border{ border-color:rgb(246, 220, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 220, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 220, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 220, 16);  
box-shadow:4px 4px 4px 4px rgb(246, 220,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8166, 0.4383, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 220, 16) }
```

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

```
.background{ background-color: rgb(246,  
220, 16) }
```

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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