

Converting Colors

$Y_{xy}(71.0493, 0.4412, 0.4705)$

Have a look what the booklet for
Yxy(71.0493, 0.4412, 0.4705)
contains.

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Color

Yxy(71.1247, 0.4410, 0.4706)

Conversions

Conversions Part 1

Format	Color
Hex	FFD933
RGB	255, 217, 51
RGB Percent	100%, 85%, 20%
CMY	0.0000, 0.1490, 0.7995
CMYK	0.00, 0.15, 0.80, 0.00
HSL	49°, 100%, 60%
HSV	49°, 80%, 100%
XYZ	66.6511, 71.1247, 13.3604
YIQ	209.4380, 75.9340, -43.5700

Conversions

Conversions Part 2

Format	Color
R _Y B	98, 255, 51
Decimal	16767283
CIE Lab	87.55, -2.10, 79.14
CIE LCh	88, 79.171, 91.522
Yxy	71.1247, 0.4410, 0.4706
Android (android.graphics.Color)	4294957363 (0xFFFFD933)
YUV	209.4380, -78.1099, 39.9579
Hunter-Lab	84.3355, -6.5169, 49.6421

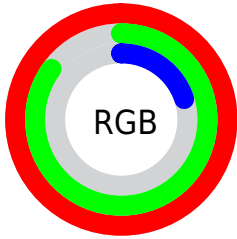
Details

The Yxy color **71.1247, 0.4410, 0.4706** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **15.0891, 0.1712, 0.1123**, and the grayscale version is **64.5553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **37.6637, 0.4507, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **68.5466, 0.4505, 0.4749**, and if you desaturate by 10%, it is **73.9034, 0.4286, 0.4615**.

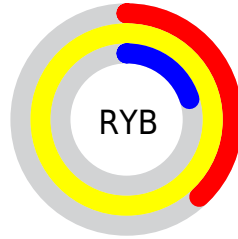
Distribution



Red (100%)

Green (85%)

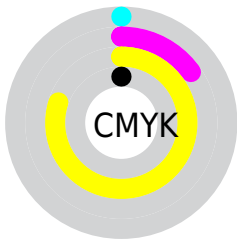
Blue (20%)



Red (38%)

Yellow (100%)

Blue (20%)

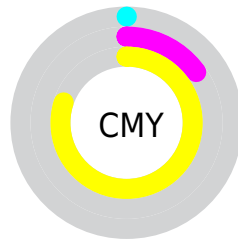


Cyan (0%)

Magenta (15%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1247, 0.4410, 0.4706 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 71.1247, 0.4410, 0.4706 by changing the saturation by 10% instead.


 71.1247, 0.4410,
0.4706

 71.1247, 0.4410,
0.4706


464.4892, 0.3887,
0.4121


 52.4440, 0.4499,
0.4809

 120.8113, 0.4251,
0.4526


 37.3591, 0.4593,
0.4918


 152.5859, 0.4182,
0.4449


 25.4856, 0.4683,
0.5026


 189.4939, 0.4120,
0.4379

 16.4392, 0.4785,
0.5153

 231.9198, 0.4064,
0.4317

 9.8355, 0.4804,
0.5196

 280.2478, 0.4013,
0.4260

 5.2900, 0.4789,
0.5211

334.8625, 0.3967,

 2.4184, 0.4763,

0.4209

0.5237

396.1482, 0.3925,
0.4163

■ 0.8353, 0.4706,
0.5294

■ 0.0000, 0.0000,
0.0000

■ 71.1247, 0.4410,
0.4706

■ 71.1247, 0.4410,
0.4706

■ 68.5466, 0.4505,
0.4749

■ 73.9034, 0.4286,
0.4615


■ 66.1295, 0.4574,
0.4750

■ 76.8906, 0.4137,
0.4482


■ 66.1184, 0.4574,
0.4750

■ 80.1051, 0.3971,
0.4313

■ 83.5604, 0.3796,
0.4120

 87.2685, 0.3619,
0.3913

 91.2405, 0.3446,
0.3701

 95.4869, 0.3281,
0.3491

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



71.1247, 0.4929, 0.4065



71.1247, 0.4410, 0.4706



71.1247, 0.3600, 0.5072

Triad

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



71.1247, 0.4410, 0.4706



71.1247, 0.1607, 0.2765



71.1247, 0.3333, 0.2271

Complementary

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



71.1247, 0.4410, 0.4706



15.0891, 0.1712, 0.1123

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.



71.1247, 0.2437, 0.1965



71.1247, 0.4410, 0.4706



71.1247, 0.1567, 0.2150

Square

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



71.1247, 0.4410, 0.4706



71.1247, 0.1992, 0.3764



71.1247, 0.1840, 0.1909



71.1247, 0.4306, 0.2776

Rectangle

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



71.1247, 0.4410, 0.4706



71.1247, 0.3004, 0.4950



71.1247, 0.1840, 0.1909



71.1247, 0.3009, 0.2143

Sweetspot

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



71.1281, 0.4410, 0.4706



89.6050, 0.3516, 0.3787



24.4078, 0.5460, 0.3005



18.8779, 0.3577, 0.3862



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.



71.1281, 0.4410, 0.4706



67.0733, 0.4549, 0.4753



83.2036, 0.3709, 0.5270



20.4813, 0.3274, 0.3482



34.7566, 0.4567, 0.4756



3.5262, 0.4516, 0.4796

Inverse Universe

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



15.0891, 0.1712, 0.1123



10.0961, 0.1564, 0.0806



13.0609, 0.1926, 0.0969



17.9252, 0.2979, 0.3090



5.0124, 0.1548, 0.0772



0.6273, 0.1599, 0.0957

Previews

White Background



This preview shows how the Yxy color 71.1247, 0.4410, 0.4706 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 71.1247, 0.4410, 0.4706 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 71.1247, 0.4410, 0.4706

Background



This preview shows how black text looks on a background with the Yxy color 71.1247, 0.4410, 0.4706.



This preview shows how white text looks on a background with the Yxy color 71.1247, 0.4410, 0.4706.

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

71.1247, 0.4410, 0.4706

Protanopia

71.2085, 0.4323, 0.4767

Deuteranopia

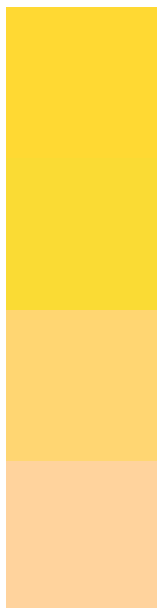
71.0505, 0.3909, 0.3938



Tritanopia

70.9476, 0.3415, 0.3179

Trichromacy



Original Color

71.1247, 0.4410, 0.4706

Protanomaly

71.2350, 0.4354, 0.4744

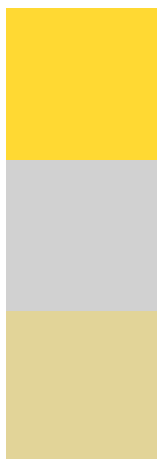
Deuteranomaly

70.5680, 0.4145, 0.4281

Tritanomaly

70.2829, 0.3867, 0.3848

Monochromacy



Original Color

71.1247, 0.4410, 0.4706

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.5227, 0.3665, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1247, 0.4410, 0.4706 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, 217, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 51)  
}
```

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, 217, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 51) }
```

Border

The CSS property to change the border of an element to Yxy 71.1247, 0.4410, 0.4706 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, 217, 51) }
```

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

```
.border{ border-color:rgb(255, 217, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1247, 0.4410, 0.4706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 51) }
```

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

```
.background{ background-color: rgb(255,  
217, 51) }
```

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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