

Converting Colors

$Yxy(71.6801, 0.4387, 0.4692)$

Have a look what the booklet for
Yxy(71.6801, 0.4387, 0.4692)
contains.

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Color

Yxy(71.6883, 0.4388, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA38
RGB	255, 218, 56
RGB Percent	100%, 85%, 22%
CMY	0.0000, 0.1451, 0.7806
CMYK	0.00, 0.15, 0.78, 0.00
HSL	49°, 100%, 61%
HSV	49°, 78%, 100%
XYZ	67.0292, 71.6883, 14.0383
YIQ	210.5950, 74.0540, -42.5380

Conversions

Conversions Part 2

Format	Color
RYB	101, 255, 56
Decimal	16767544
CIELab	87.82, -2.44, 77.96
CIElCh	88, 77.998, 91.792
Yxy	71.6883, 0.4388, 0.4693
Android (android.graphics.Color)	4294957624 (0xFFFFDA38)
YUV	210.5950, -76.2153, 38.9432
Hunter-Lab	84.6689, -6.8589, 49.4379

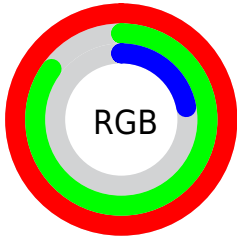
Details

The Yxy color **71.6883, 0.4388, 0.4693** 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 **15.8786, 0.1736, 0.1168**, and the grayscale version is **65.3317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **38.0203, 0.4496, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **69.0760, 0.4489, 0.4745**, and if you desaturate by 10%, it is **74.4978, 0.4259, 0.4594**.

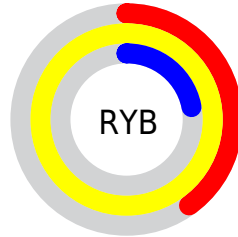
Distribution



Red (100%)

Green (85%)

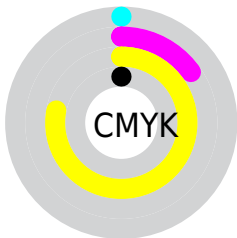
Blue (22%)



Red (40%)

Yellow (100%)

Blue (22%)

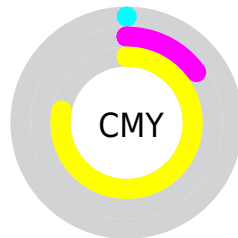


Cyan (0%)

Magenta (15%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6883, 0.4388, 0.4693 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 71.6883, 0.4388, 0.4693 by changing the saturation by 10% instead.


 71.6883, 0.4388,
0.4693

 71.6883, 0.4388,
0.4693

466.4560, 0.3873,
0.4110


 52.9041, 0.4477,
0.4797


 121.6133, 0.4230,
0.4513


 37.7262, 0.4571,
0.4907


 153.5228, 0.4163,
0.4436


 25.7703, 0.4662,
0.5020


 190.5763, 0.4101,
0.4366

 16.6519, 0.4760,
0.5143

 233.1580, 0.4046,
0.4304

 9.9866, 0.4794,
0.5206

 281.6525, 0.3996,
0.4248

 5.3901, 0.4776,
0.5224

336.4440, 0.3951,

 2.4779, 0.4747,

0.4198

0.5253

397.9171, 0.3910,
0.4152

0.8655, 0.4686,
0.5314

0.0000, 0.0000,
0.0000

71.6883, 0.4388,
0.4693

71.6883, 0.4388,
0.4693

69.0760, 0.4489,
0.4745

74.4978, 0.4259,
0.4594

66.6372, 0.4561,
0.4752

77.5219, 0.4106,
0.4453

66.1777, 0.4573,
0.4751

80.7757, 0.3938,
0.4279

84.2722, 0.3763,
0.4082

■ 88.0235, 0.3586,
0.3873

■ 92.0404, 0.3414,
0.3661

■ 96.3331, 0.3251,
0.3452

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



71.6883, 0.4900, 0.4065



71.6883, 0.4388, 0.4693



71.6883, 0.3589, 0.5041

Triad

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



71.6883, 0.4388, 0.4693



71.6883, 0.1627, 0.2769



71.6883, 0.3340, 0.2289

Complementary

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



71.6883, 0.4388, 0.4693



15.8786, 0.1736, 0.1168

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.



71.6883, 0.2455, 0.1984



71.6883, 0.4388, 0.4693



71.6883, 0.1589, 0.2164

Square

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



71.6883, 0.4388, 0.4693



71.6883, 0.2005, 0.3746



71.6883, 0.1862, 0.1928



71.6883, 0.4294, 0.2790

Rectangle

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



71.6883, 0.4388, 0.4693



71.6883, 0.3002, 0.4913



71.6883, 0.1862, 0.1928



71.6883, 0.3021, 0.2162

Sweetspot

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



71.6883, 0.4388, 0.4693



90.0221, 0.3498, 0.3766



24.9234, 0.5383, 0.2998



18.9615, 0.3561, 0.3843



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.



71.6883, 0.4388, 0.4693



67.6088, 0.4535, 0.4754



83.4450, 0.3709, 0.5241



20.4828, 0.3274, 0.3482



34.7856, 0.4566, 0.4757



3.5287, 0.4515, 0.4797

Inverse Universe

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



15.8786, 0.1736, 0.1168



10.5406, 0.1576, 0.0837



13.7333, 0.1954, 0.1008



17.9238, 0.2979, 0.3090



5.0072, 0.1548, 0.0771



0.6266, 0.1599, 0.0956

Previews

White Background



This preview shows how the Yxy color 71.6883, 0.4388, 0.4693 looks on a white background.

Color Contrast Check

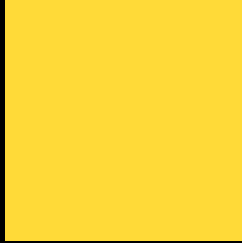
Large Text (above 18pt) WCAG AA × Fail

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 71.6883, 0.4388, 0.4693 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 71.6883, 0.4388, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 71.6883, 0.4388, 0.4693.



This preview shows how white text looks on a background with the Yxy color 71.6883, 0.4388, 0.4693.

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

71.6883, 0.4388, 0.4693

Protanopia

71.7825, 0.4300, 0.4753

Deuteranopia

71.6530, 0.3884, 0.3917



Tritanopia

71.4862, 0.3406, 0.3179

Trichromacy



Original Color

71.6883, 0.4388, 0.4693

Protanomaly

71.8058, 0.4331, 0.4729

Deuteranomaly

71.1689, 0.4115, 0.4256

Tritanomaly

70.8850, 0.3841, 0.3827

Monochromacy



Original Color

71.6883, 0.4388, 0.4693

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.7906, 0.3646, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6883, 0.4388, 0.4693 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, 218, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 56)  
}
```

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, 218, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 56) }
```

Border

The CSS property to change the border of an element to Yxy 71.6883, 0.4388, 0.4693 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, 218, 56) }
```

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

```
.border{ border-color:rgb(255, 218, 56) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6883, 0.4388, 0.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 56) }
```

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

```
.background{ background-color: rgb(255,  
218, 56) }
```

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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