

Converting Colors

$Y_{xy}(72.5244, 0.4433, 0.4700)$

Have a look what the booklet for
Yxy(72.5244, 0.4433, 0.4700)
contains.

Yxy(71.6331, 0.4405, 0.4718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.6331, 0.4405, 0.4718)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA32
RGB	255, 218, 50
RGB Percent	100%, 85%, 20%
CMY	0.0001, 0.1450, 0.8040
CMYK	0.00, 0.14, 0.80, 0.00
HSL	49°, 100%, 60%
HSV	49°, 80%, 100%
XYZ	66.8808, 71.6331, 13.3154
YIQ	209.9110, 75.9800, -44.4040

Conversions

Conversions Part 2

Format	Color
R _Y B	95, 255, 50
Decimal	16767538
CIE Lab	87.79, -2.65, 79.68
CIE LCh	88, 79.723, 91.907
Yxy	71.6331, 0.4405, 0.4718
Android (android.graphics.Color)	4294957618 (0xFFFFDA32)
YUV	209.9110, -78.8361, 39.5431
Hunter-Lab	84.6363, -7.0604, 49.9176

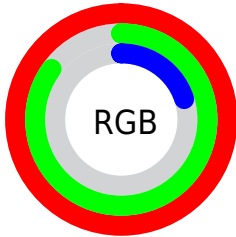
Details

The Yxy color **71.6331, 0.4405, 0.4718** 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 **14.7023, 0.1703, 0.1100**, and the grayscale version is **64.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **38.0203, 0.4496, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **69.1227, 0.4497, 0.4760**, and if you desaturate by 10%, it is **74.3388, 0.4284, 0.4629**.

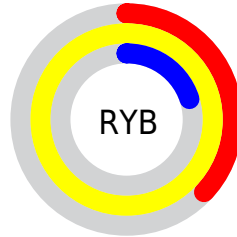
Distribution



Red (100%)

Green (85%)

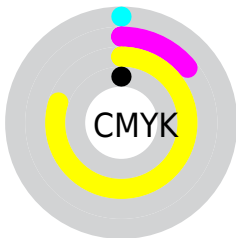
Blue (20%)



Red (37%)

Yellow (100%)

Blue (20%)

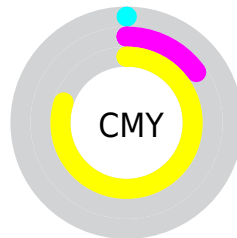


Cyan (0%)

Magenta (14%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6331, 0.4405, 0.4718 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 71.6331, 0.4405, 0.4718 by changing the saturation by 10% instead.

 71.6331, 0.4405,
0.4718


 71.6331, 0.4405,
0.4718


466.2635, 0.3887,
0.4128


 52.8590, 0.4493,
0.4822


 121.5348, 0.4248,
0.4537


 37.6902, 0.4584,
0.4931

 153.4311, 0.4180,
0.4459


 25.7424, 0.4672,
0.5041


 190.4703, 0.4118,
0.4389

 16.6310, 0.4772,
0.5169

 233.0369, 0.4062,
0.4326

 9.9718, 0.4787,
0.5213

 281.5150, 0.4012,
0.4269

 5.3802, 0.4767,
0.5233

336.2893, 0.3966,

 2.4720, 0.4735,

0.4217

0.5265

397.7440, 0.3924,
0.4171

0.8626, 0.4668,
0.5332

0.0000, 0.0000,
0.0000

71.6331, 0.4405,
0.4718

71.6331, 0.4405,
0.4718

69.1227, 0.4497,
0.4760

74.3388, 0.4284,
0.4629

66.8590, 0.4560,
0.4761

77.2479, 0.4138,
0.4496

80.3791, 0.3975,
0.4328

83.7459, 0.3802,
0.4135

 87.3604, 0.3626,
0.3927

 91.2339, 0.3453,
0.3713

 95.3764, 0.3288,
0.3502

99.7975, 0.3133,
0.3298

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



71.6331, 0.4933, 0.4075



71.6331, 0.4405, 0.4718



71.6331, 0.3589, 0.5081

Triad

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



71.6331, 0.4405, 0.4718



71.6331, 0.1599, 0.2751



71.6331, 0.3347, 0.2272

Complementary

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



71.6331, 0.4405, 0.4718



14.7023, 0.1703, 0.1100

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.



71.6331, 0.2444, 0.1963



71.6331, 0.4405, 0.4718



71.6331, 0.1563, 0.2140

Square

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



71.6331, 0.4405, 0.4718



71.6331, 0.1980, 0.3751



71.6331, 0.1841, 0.1903



71.6331, 0.4323, 0.2781

Rectangle

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



71.6331, 0.4405, 0.4718



71.6331, 0.2991, 0.4952



71.6331, 0.1841, 0.1903



71.6331, 0.3020, 0.2144

Sweetspot

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



71.6366, 0.4405, 0.4718



89.8266, 0.3515, 0.3790



24.2322, 0.5526, 0.3035



18.9319, 0.3576, 0.3866



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.



71.6366, 0.4405, 0.4718



67.8021, 0.4535, 0.4764



82.6911, 0.3686, 0.5294



20.5008, 0.3274, 0.3483



35.1439, 0.4553, 0.4767



3.5605, 0.4505, 0.4805

Inverse Universe

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



14.7023, 0.1703, 0.1100



9.9558, 0.1561, 0.0797



13.1351, 0.1942, 0.0972



17.9073, 0.2979, 0.3089



4.9445, 0.1545, 0.0763



0.6182, 0.1596, 0.0945

Previews

White Background



This preview shows how the Yxy color 71.6331, 0.4405, 0.4718 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 71.6331, 0.4405, 0.4718 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 71.6331, 0.4405, 0.4718

Background



This preview shows how black text looks on a background with the Yxy color 71.6331, 0.4405, 0.4718.



This preview shows how white text looks on a background with the Yxy color 71.6331, 0.4405, 0.4718.

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

71.6331, 0.4405, 0.4718

Protanopia

71.9084, 0.4326, 0.4773

Deuteranopia

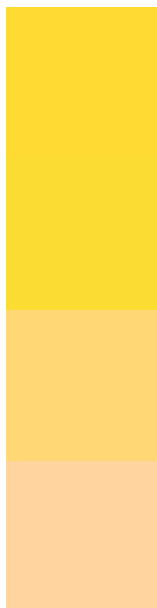
71.6530, 0.3884, 0.3917



Tritanopia

71.4862, 0.3406, 0.3179

Trichromacy



Original Color

71.6331, 0.4405, 0.4718

Protanomaly

71.9346, 0.4356, 0.4750

Deuteranomaly

71.1218, 0.4127, 0.4273

Tritanomaly

70.8156, 0.3855, 0.3848

Monochromacy



Original Color

71.6331, 0.4405, 0.4718

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.0242, 0.3662, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6331, 0.4405, 0.4718 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 50) }
```

Border

The CSS property to change the border of an element to Yxy 71.6331, 0.4405, 0.4718 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, 50) }
```

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

```
.border{ border-color:rgb(255, 218, 50) }
```

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, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6331, 0.4405, 0.4718 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, 50) }
```

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

```
.background{ background-color: rgb(255,  
218, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor