

Converting Colors

$Y_{xy}(72.1560, 0.4316, 0.4599)$

Have a look what the booklet for
Yxy(72.1560, 0.4316, 0.4599)
contains.

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Color

Yxy(71.9108, 0.4319, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA4B
RGB	255, 218, 75
RGB Percent	100%, 85%, 29%
CMY	0.0001, 0.1450, 0.7058
CMYK	0.00, 0.14, 0.71, 0.00
HSL	48°, 100%, 65%
HSV	48°, 71%, 100%
XYZ	67.5768, 71.9108, 16.9763
YIQ	212.7610, 67.9550, -36.6290

Conversions

Conversions Part 2

Format	Color
RYB	122, 255, 75
Decimal	16767563
CIELab	87.93, -1.69, 71.54
CIELCh	88, 71.558, 91.356
Yxy	71.9108, 0.4319, 0.4596
Android (android.graphics.Color)	4294957643 (0xFFFFDA4B)
YUV	212.7610, -67.9162, 37.0436
Hunter-Lab	84.8002, -6.1549, 47.4908

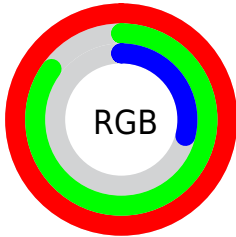
Details

The Yxy color **71.9108, 0.4319, 0.4596** 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 **20.2991, 0.1855, 0.1408**, and the grayscale version is **66.8017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **37.6637, 0.4507, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **68.9582, 0.4449, 0.4681**, and if you desaturate by 10%, it is **75.0960, 0.4165, 0.4467**.

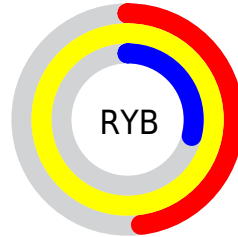
Distribution



Red (100%)

Green (85%)

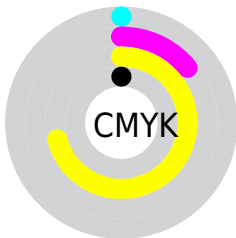
Blue (29%)



Red (48%)

Yellow (100%)

Blue (29%)

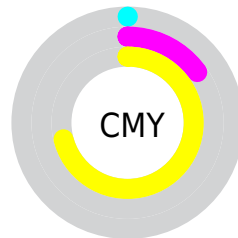


Cyan (0%)

Magenta (14%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9108, 0.4319, 0.4596 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 71.9108, 0.4319, 0.4596 by changing the saturation by 10% instead.


 71.9108, 0.4319,
0.4596


 71.9108, 0.4319,
0.4596


467.2311, 0.3819,
0.4043


 53.0858, 0.4411,
0.4699

 121.9297, 0.4162,
0.4421

 37.8713, 0.4510,
0.4813


 153.8924, 0.4096,
0.4348


 25.8828, 0.4614,
0.4933


 191.0031, 0.4037,
0.4282

 16.7360, 0.4714,
0.5052

 233.6463, 0.3984,
0.4224

 10.0464, 0.4818,
0.5182

 282.2063, 0.3936,
0.4171

 5.4298, 0.4806,
0.5194

337.0675, 0.3893,

 2.5016, 0.4786,

0.4124

0.5214

398.6143, 0.3855,
0.4082

■ 0.8774, 0.4746,
0.5254

■ 0.0000, 0.0000,
0.0000

■ 71.9108, 0.4319,
0.4596

■ 71.9108, 0.4319,
0.4596

■ 68.9582, 0.4449,
0.4681

■ 75.0960, 0.4165,
0.4467

■ 66.2092, 0.4549,
0.4718

■ 78.5190, 0.3994,
0.4304

■ 63.7819, 0.4619,
0.4714

■ 82.1972, 0.3815,
0.4115

■ 86.1428, 0.3635,
0.3912

90.3673, 0.3459,
0.3705

94.8812, 0.3292,
0.3499

99.6942, 0.3136,
0.3301

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



71.9108, 0.4774, 0.4025



71.9108, 0.4319, 0.4596



71.9108, 0.3584, 0.4892

Triad

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



71.9108, 0.4319, 0.4596



71.9108, 0.1734, 0.2832



71.9108, 0.3315, 0.2353

Complementary

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



71.9108, 0.4319, 0.4596



20.2991, 0.1855, 0.1408

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.



71.9108, 0.2499, 0.2069



71.9108, 0.4319, 0.4596



71.9108, 0.1689, 0.2257

Square

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



71.9108, 0.4319, 0.4596



71.9108, 0.2101, 0.3726



71.9108, 0.1944, 0.2023



71.9108, 0.4187, 0.2824

Rectangle

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



71.9108, 0.4319, 0.4596



71.9108, 0.3038, 0.4767



71.9108, 0.1944, 0.2023



71.9108, 0.3022, 0.2234

Sweetspot

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



71.9143, 0.4319, 0.4596



90.1997, 0.3466, 0.3714



27.5052, 0.5028, 0.2956



19.0513, 0.3514, 0.3771



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.



71.9143, 0.4319, 0.4596



67.7303, 0.4497, 0.4703



84.8523, 0.3718, 0.5095



20.4197, 0.3274, 0.3478



33.5537, 0.4611, 0.4721



3.4192, 0.4554, 0.4766

Inverse Universe

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



20.2991, 0.1855, 0.1408



13.7888, 0.1664, 0.1046



16.6884, 0.2052, 0.1174



17.9820, 0.2979, 0.3095



5.2425, 0.1556, 0.0803



0.6576, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 71.9108, 0.4319, 0.4596 looks on a white background.

Color Contrast Check

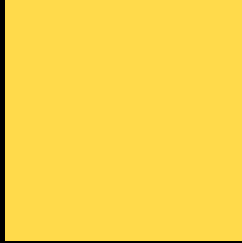
Large Text (above 18pt) WCAG AA × Fail

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 71.9108, 0.4319, 0.4596 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 71.9108, 0.4319, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 71.9108, 0.4319, 0.4596.



This preview shows how white text looks on a background with the Yxy color 71.9108, 0.4319, 0.4596.

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

71.9108, 0.4319, 0.4596

Protanopia

72.0089, 0.4232, 0.4651

Deuteranopia

71.7534, 0.3862, 0.3887



Tritanopia

72.0282, 0.3397, 0.3179

Trichromacy



Original Color

71.9108, 0.4319, 0.4596

Protanomaly

72.0322, 0.4262, 0.4629

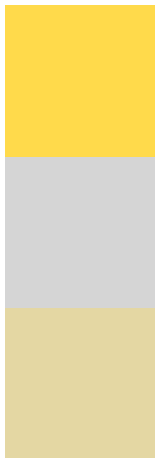
Deuteranomaly

71.3932, 0.4058, 0.4176

Tritanomaly

71.1370, 0.3789, 0.3756

Monochromacy



Original Color

71.9108, 0.4319, 0.4596

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.7392, 0.3594, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9108, 0.4319, 0.4596 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 75) }
```

Border

The CSS property to change the border of an element to Yxy 71.9108, 0.4319, 0.4596 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, 75) }
```

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

```
.border{ border-color:rgb(255, 218, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9108, 0.4319, 0.4596 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, 75) }
```

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

```
.background{ background-color: rgb(255,  
218, 75) }
```

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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