

Converting Colors

$Y_{xy}(100.0000, 0.4891, 0.3932)$

Have a look what the booklet for
Yxy(100.0000, 0.4891, 0.3932)
contains.

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Color

Yxy(71.1689, 0.4115, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	FFD776
RGB	255, 215, 118
RGB Percent	100%, 84%, 46%
CMY	0.0000, 0.1568, 0.5374
CMYK	0.00, 0.16, 0.54, 0.00
HSL	42°, 100%, 73%
HSV	42°, 54%, 100%
XYZ	68.8111, 71.1689, 27.2402
YIQ	215.9020, 54.9770, -21.6870

Conversions

Conversions Part 2

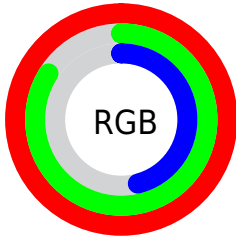
Format	Color
RYB	174, 255, 118
Decimal	16766838
CIELab	87.57, 2.55, 52.54
CIElCh	88, 52.604, 87.218
Yxy	71.1689, 0.4115, 0.4256
Android (android.graphics.Color)	4294956918 (0xFFFFD776)
YUV	215.9020, -48.2657, 34.2889
Hunter-Lab	84.3617, -2.0362, 39.9086

Details

The Yxy color **71.1689, 0.4115, 0.4256** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.5119, 0.2185, 0.2056**, and the grayscale version is **68.9052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **37.6188, 0.4313, 0.4446** is the 20% darker color. If you saturate the color by 10%, you get **66.9397, 0.4311, 0.4396**, and if you desaturate by 10%, it is **75.7384, 0.3914, 0.4090**.

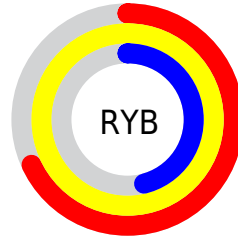
Distribution



Red (100%)

Green (84%)

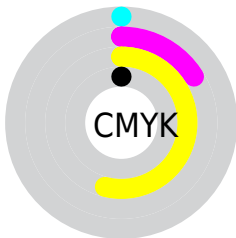
Blue (46%)



Red (68%)

Yellow (100%)

Blue (46%)

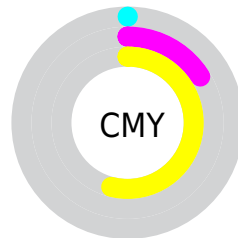


Cyan (0%)

Magenta (16%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.1689, 0.4115, 0.4256 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 71.1689, 0.4115, 0.4256 by changing the saturation by 10% instead.


 71.1689, 0.4115,
0.4256

 71.1689, 0.4115,
0.4256


464.6437, 0.3674,
0.3831

 52.4800, 0.4207,
0.4343


 120.8742, 0.3968,
0.4116

 37.3879, 0.4315,
0.4444


 152.6594, 0.3909,
0.4059

 25.5079, 0.4441,
0.4561

 189.5789, 0.3858,
0.4009

 16.4559, 0.4586,
0.4693

232.0170, 0.3812,
0.3965

 9.8473, 0.4748,
0.4833

280.3581, 0.3772,
0.3926

 5.2978, 0.4974,
0.5026

334.9867, 0.3736,

 2.4231, 0.5004,

0.3891

0.4996

396.2871, 0.3704,
0.3859

0.8377, 0.5062,
0.4938

0.0000, 0.0000,
0.0000

71.1689, 0.4115,
0.4256

71.1689, 0.4115,
0.4256

66.9397, 0.4311,
0.4396

75.7384, 0.3914,
0.4090

63.0290, 0.4492,
0.4498

80.6564, 0.3715,
0.3908

59.4207, 0.4648,
0.4554

85.9380, 0.3525,
0.3721

56.0934, 0.4773,
0.4559

91.5953, 0.3347,
0.3535

■ 54.1342, 0.4838,
0.4541

■ 97.6399, 0.3184,
0.3355

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.



71.1689, 0.4388, 0.3835



71.1689, 0.4115, 0.4256



71.1689, 0.3589, 0.4459

Triad

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



71.1689, 0.4115, 0.4256



71.1689, 0.2083, 0.3055



71.1689, 0.3187, 0.2526

Complementary

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



71.1689, 0.4115, 0.4256



35.5119, 0.2185, 0.2056

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.



71.1689, 0.2587, 0.2325



71.1689, 0.4115, 0.4256



71.1689, 0.2002, 0.2568

Square

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



71.1689, 0.4115, 0.4256



71.1689, 0.2422, 0.3710



71.1689, 0.2175, 0.2328



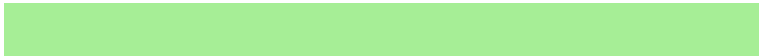
71.1689, 0.3832, 0.2887

Rectangle

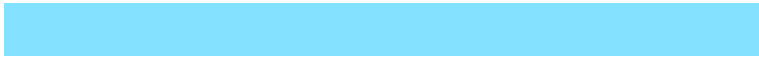
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1689, 0.4115, 0.4256



71.1689, 0.3175, 0.4382



71.1689, 0.2175, 0.2328



71.1689, 0.2973, 0.2438

Sweetspot

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



71.1709, 0.4115, 0.4256



90.2813, 0.3386, 0.3576



36.7162, 0.4225, 0.2873



19.0718, 0.3422, 0.3615



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.



71.1709, 0.4115, 0.4256



66.8326, 0.4316, 0.4399



89.2551, 0.3716, 0.4679



20.1424, 0.3276, 0.3458



28.5568, 0.4825, 0.4551



2.9693, 0.4735, 0.4622

Inverse Universe

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



35.5119, 0.2185, 0.2056



28.0761, 0.2007, 0.1775



26.2243, 0.2263, 0.1636



18.2415, 0.2979, 0.3117



6.5836, 0.1604, 0.0975



0.8199, 0.1665, 0.1192

Previews

White Background



This preview shows how the Yxy color 71.1689, 0.4115, 0.4256 looks on a white background.

Color Contrast Check

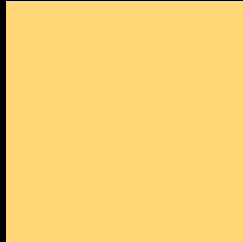
Large Text (above 18pt) WCAG AA × Fail

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 71.1689, 0.4115, 0.4256 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 71.1689, 0.4115, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 71.1689, 0.4115, 0.4256.



This preview shows how white text looks on a background with the Yxy color 71.1689, 0.4115, 0.4256.

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

71.1689, 0.4115, 0.4256

Protanopia

71.4197, 0.3973, 0.4325

Deuteranopia

71.3171, 0.3851, 0.3857



Tritanopia

71.0001, 0.3407, 0.3169

Trichromacy



Original Color

71.1689, 0.4115, 0.4256

Protanomaly

71.2489, 0.4029, 0.4300

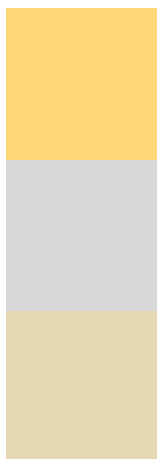
Deuteranomaly

71.3363, 0.3954, 0.4016

Tritanomaly

70.7306, 0.3682, 0.3581

Monochromacy



Original Color

71.1689, 0.4115, 0.4256

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2300, 0.3485, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.1689, 0.4115, 0.4256 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, 215, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 118)  
}
```

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, 215, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 118) }
```

Border

The CSS property to change the border of an element to Yxy 71.1689, 0.4115, 0.4256 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, 215, 118) }
```

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

```
.border{ border-color:rgb(255, 215, 118) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 71.1689, 0.4115, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 118) }
```

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

```
.background{ background-color: rgb(255,  
215, 118) }
```

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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