

Converting Colors

Yxy(82.2123, 0.4975, 0.4302)

Have a look what the booklet for
Yxy(82.2123, 0.4975, 0.4302)
contains.

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Color

Yxy(66.1074, 0.4499, 0.4639)

Conversions

Conversions Part 1

Format	Color
Hex	FFCF31
RGB	255, 207, 49
RGB Percent	100%, 81%, 19%
CMY	0.0000, 0.1882, 0.8079
CMYK	0.00, 0.19, 0.81, 0.00
HSL	46°, 100%, 60%
HSV	46°, 81%, 100%
XYZ	64.1124, 66.1074, 12.2838
YIQ	203.3400, 79.3260, -38.9620

Conversions

Conversions Part 2

Format	Color
R _Y B	112, 255, 49
Decimal	16764721
CIE Lab	85.05, 2.94, 77.59
CIE LCh	85, 77.642, 87.833
Yxy	66.1074, 0.4499, 0.4639
Android (android.graphics.Color)	4294954801 (0xFFFFCF31)
YUV	203.3400, -76.0896, 45.3058
Hunter-Lab	81.3065, -1.5342, 47.9570

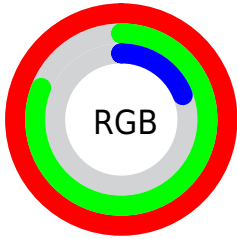
Details

The Yxy color **66.1074, 0.4499, 0.4639** 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 **16.4185, 0.1728, 0.1202**, and the grayscale version is **60.3944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **34.2518, 0.4625, 0.4709** is the 20% darker color. If you saturate the color by 10%, you get **63.1242, 0.4609, 0.4670**, and if you desaturate by 10%, it is **69.3196, 0.4359, 0.4559**.

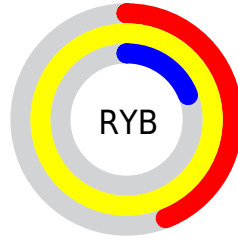
Distribution



Red (100%)

Green (81%)

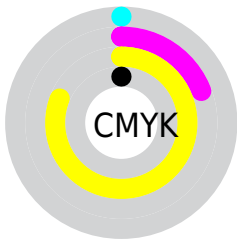
Blue (19%)



Red (44%)

Yellow (100%)

Blue (19%)

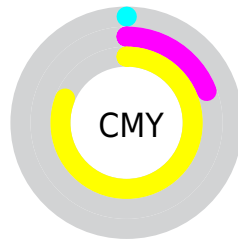


Cyan (0%)

Magenta (19%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1074, 0.4499, 0.4639 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 66.1074, 0.4499, 0.4639 by changing the saturation by 10% instead.


 66.1074, 0.4499,
0.4639


 66.1074, 0.4499,
0.4639


446.7609, 0.3926,
0.4086


 48.3596, 0.4600,
0.4733


 113.6405, 0.4322,
0.4471


 34.1117, 0.4707,
0.4830


 144.1945, 0.4246,
0.4398


 22.9795, 0.4814,
0.4922


 179.7861, 0.4178,
0.4333

 14.5783, 0.4955,
0.5043

 220.7996, 0.4117,
0.4273

 8.5240, 0.4972,
0.5028

 267.6195, 0.4062,
0.4219

 4.4320, 0.4996,
0.5004

320.6300, 0.4012,

 1.9181, 0.5036,

0.4171

0.4964

380.2157, 0.3967,
0.4127

■ 0.5592, 0.5189,
0.4811

■ 0.0000, 0.0000,
0.0000

■ 66.1074, 0.4499,
0.4639

■ 66.1074, 0.4499,
0.4639

■ 63.1242, 0.4609,
0.4670

■ 69.3196, 0.4359,
0.4559

■ 60.5539, 0.4687,
0.4661

■ 72.7812, 0.4195,
0.4435

■ 76.5079, 0.4016,
0.4277

■ 80.5138, 0.3830,
0.4093

84.8118, 0.3645,
0.3897

89.4135, 0.3465,
0.3695

94.3298, 0.3296,
0.3496

99.5709, 0.3139,
0.3305

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.



66.1074, 0.4969, 0.3983



66.1074, 0.4499, 0.4639



66.1074, 0.3709, 0.5064

Triad

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



66.1074, 0.4499, 0.4639



66.1074, 0.1629, 0.2867



66.1074, 0.3212, 0.2217

Complementary

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



66.1074, 0.4499, 0.4639



16.4185, 0.1728, 0.1202

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.



66.1074, 0.2342, 0.1939



66.1074, 0.4499, 0.4639



66.1074, 0.1549, 0.2198

Square

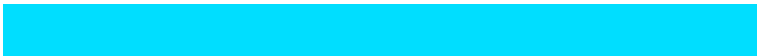
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.1074, 0.4499, 0.4639



66.1074, 0.2059, 0.3903



66.1074, 0.1785, 0.1916



66.1074, 0.4202, 0.2703

Rectangle

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



66.1074, 0.4499, 0.4639



66.1074, 0.3113, 0.5010



66.1074, 0.1785, 0.1916



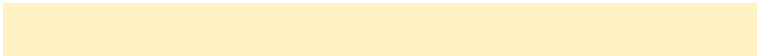
66.1074, 0.2893, 0.2098

Sweetspot

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



66.1069, 0.4499, 0.4639



87.9034, 0.3522, 0.3760



24.3191, 0.5394, 0.2948



18.4640, 0.3586, 0.3832



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.



66.1069, 0.4499, 0.4639



61.3773, 0.4662, 0.4666



84.0294, 0.3756, 0.5248



20.3309, 0.3275, 0.3471



31.8801, 0.4677, 0.4669



3.2696, 0.4610, 0.4722

Inverse Universe

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



16.4185, 0.1728, 0.1202



11.0822, 0.1581, 0.0874



12.3533, 0.1870, 0.0930



18.0645, 0.2979, 0.3102



5.6159, 0.1570, 0.0852



0.7048, 0.1626, 0.1055

Previews

White Background



This preview shows how the Yxy color 66.1074, 0.4499, 0.4639 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 66.1074, 0.4499, 0.4639 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 66.1074, 0.4499, 0.4639

Background



This preview shows how black text looks on a background with the Yxy color 66.1074, 0.4499, 0.4639.



This preview shows how white text looks on a background with the Yxy color 66.1074, 0.4499, 0.4639.

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

66.1074, 0.4499, 0.4639

Protanopia

66.1782, 0.4318, 0.4764

Deuteranopia

66.2787, 0.4159, 0.4148



Tritanopia

65.7960, 0.3501, 0.3168

Trichromacy



Original Color

66.1074, 0.4499, 0.4639

Protanomaly

66.2313, 0.4385, 0.4720

Deuteranomaly

66.2108, 0.4313, 0.4371

Tritanomaly

65.2677, 0.3953, 0.3810

Monochromacy



Original Color

66.1074, 0.4499, 0.4639

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.8219, 0.3697, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1074, 0.4499, 0.4639 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, 207, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 49)  
}
```

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, 207, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 49) }
```

Border

The CSS property to change the border of an element to Yxy 66.1074, 0.4499, 0.4639 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, 207, 49) }
```

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

```
.border{ border-color:rgb(255, 207, 49) }
```

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

Here you see how a box with a 4 pixel rgb(255, 207, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1074, 0.4499, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 49) }
```

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

```
.background{ background-color: rgb(255,  
207, 49) }
```

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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