

Converting Colors

$Yxy(69.3669, 0.4211, 0.4338)$

Have a look what the booklet for
Yxy(69.3669, 0.4211, 0.4338)
contains.

Yxy(69.3669, 0.4211, 0.4338)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.3669, 0.4211, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	FFD469
RGB	255, 212, 105
RGB Percent	100%, 83%, 41%
CMY	0.0000, 0.1686, 0.5883
CMYK	0.00, 0.17, 0.59, 0.00
HSL	43°, 100%, 71%
HSV	43°, 59%, 100%
XYZ	67.3361, 69.3669, 23.2023
YIQ	212.6590, 59.9750, -24.1610

Conversions

Conversions Part 2

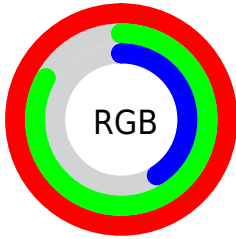
Format	Color
RYB	165, 255, 105
Decimal	16766057
CIELab	86.69, 3.12, 57.58
CIELCh	87, 57.669, 86.897
Yxy	69.3669, 0.4211, 0.4338
Android (android.graphics.Color)	4294956137 (0xFFFFD469)
YUV	212.6590, -53.0759, 37.1331
Hunter-Lab	83.2868, -1.4374, 41.7836

Details

The Yxy color **69.3669, 0.4211, 0.4338** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.3999, 0.2092, 0.1906**, and the grayscale version is **66.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **36.3038, 0.4416, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **65.3479, 0.4398, 0.4461**, and if you desaturate by 10%, it is **73.7110, 0.4013, 0.4183**.

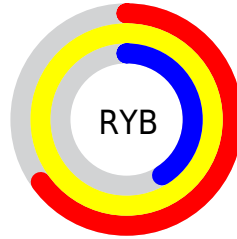
Distribution



Red (100%)

Green (83%)

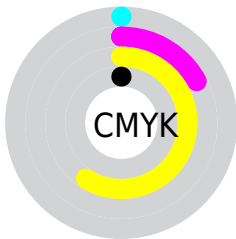
Blue (41%)



Red (65%)

Yellow (100%)

Blue (41%)

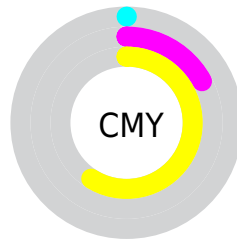


Cyan (0%)

Magenta (17%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (17%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3669, 0.4211, 0.4338 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 69.3669, 0.4211, 0.4338 by changing the saturation by 10% instead.


 69.3669, 0.4211,
0.4338


 69.3669, 0.4211,
0.4338


458.3239, 0.3731,
0.3881


 51.0106, 0.4309,
0.4429

 118.3055, 0.4053,
0.4189

 36.2170, 0.4422,
0.4533


 149.6565, 0.3988,
0.4128

 24.6019, 0.4552,
0.4649


 186.1079, 0.3932,
0.4075

 15.7807, 0.4696,
0.4774

 228.0440, 0.3882,
0.4027

 9.3691, 0.4872,
0.4920

275.8493, 0.3838,
0.3985

 4.9827, 0.4999,
0.5001

329.9081, 0.3798,

 2.2371, 0.5037,

0.3947

0.4963

390.6049, 0.3763,
0.3912

■ 0.7401, 0.5130,
0.4870

■ 0.0000, 0.0000,
0.0000

■ 69.3669, 0.4211,
0.4338

■ 69.3669, 0.4211,
0.4338

■ 65.3479, 0.4398,
0.4461

■ 73.7110, 0.4013,
0.4183

■ 61.6335, 0.4565,
0.4541


■ 78.3913, 0.3813,
0.4007

■ 58.2056, 0.4704,
0.4572

■ 83.4225, 0.3619,
0.3820

■ 55.0370, 0.4812,
0.4555

■ 88.8173, 0.3435,
0.3631

 54.6781, 0.4824,
0.4552

 94.5871, 0.3265,
0.3446

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.



69.3669, 0.4516, 0.3866



69.3669, 0.4211, 0.4338



69.3669, 0.3632, 0.4585

Triad

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



69.3669, 0.4211, 0.4338



69.3669, 0.1988, 0.3030



69.3669, 0.3182, 0.2453

Complementary

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



69.3669, 0.4211, 0.4338



31.3999, 0.2092, 0.1906

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.



69.3669, 0.2526, 0.2238



69.3669, 0.4211, 0.4338



69.3669, 0.1901, 0.2496

Square

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



69.3669, 0.4211, 0.4338



69.3669, 0.2354, 0.3762



69.3669, 0.2084, 0.2240



69.3669, 0.3898, 0.2842

Rectangle

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



69.3669, 0.4211, 0.4338



69.3669, 0.3178, 0.4513



69.3669, 0.2084, 0.2240



69.3669, 0.2946, 0.2360

Sweetspot

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



69.3681, 0.4211, 0.4338



89.2795, 0.3421, 0.3616



33.5637, 0.4391, 0.2845



18.7634, 0.3473, 0.3671



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.



69.3681, 0.4211, 0.4338



64.5149, 0.4437, 0.4482



88.5471, 0.3755, 0.4794



20.1591, 0.3276, 0.3459



28.8387, 0.4811, 0.4562



2.9950, 0.4724, 0.4631

Inverse Universe

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



31.3999, 0.2092, 0.1906



23.5561, 0.1893, 0.1575



22.4724, 0.2166, 0.1471



18.2257, 0.2979, 0.3115



6.4878, 0.1601, 0.0963



0.8088, 0.1661, 0.1180

Previews

White Background



This preview shows how the Yxy color 69.3669, 0.4211, 0.4338 looks on a white background.

Color Contrast Check

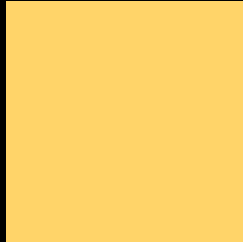
Large Text (above 18pt) WCAG AA × Fail

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 69.3669, 0.4211, 0.4338 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 69.3669, 0.4211, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 69.3669, 0.4211, 0.4338.



This preview shows how white text looks on a background with the Yxy color 69.3669, 0.4211, 0.4338.

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

69.3669, 0.4211, 0.4338

Protanopia

69.2125, 0.4050, 0.4421

Deuteranopia

69.4598, 0.3944, 0.3939



Tritanopia

69.4036, 0.3435, 0.3169

Trichromacy



Original Color

69.3669, 0.4211, 0.4338

Protanomaly

69.0540, 0.4107, 0.4393

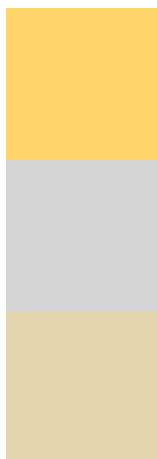
Deuteranomaly

69.5145, 0.4045, 0.4093

Tritanomaly

69.0202, 0.3737, 0.3613

Monochromacy



Original Color

69.3669, 0.4211, 0.4338

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1385, 0.3519, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3669, 0.4211, 0.4338 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, 212, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 105)  
}
```

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, 212, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 105) }
```

Border

The CSS property to change the border of an element to Yxy 69.3669, 0.4211, 0.4338 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, 212, 105) }
```

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

```
.border{ border-color:rgb(255, 212, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 212, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3669, 0.4211, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 212, 105) }
```

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

```
.background{ background-color: rgb(255,  
212, 105) }
```

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