

Converting Colors

$Y_{xy}(71.2110, 0.4144, 0.4090)$

Have a look what the booklet for
Yxy(71.2110, 0.4144, 0.4090)
contains.

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Color

Yxy(69.4335, 0.4065, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	FFD381
RGB	255, 211, 129
RGB Percent	100%, 83%, 51%
CMY	0.0001, 0.1725, 0.4941
CMYK	0.00, 0.17, 0.49, 0.00
HSL	39°, 100%, 75%
HSV	39°, 49%, 100%
XYZ	68.4900, 69.4335, 30.5635
YIQ	214.8080, 52.5460, -16.1740

Conversions

Conversions Part 2

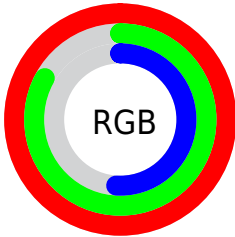
Format	Color
RYB	197, 255, 129
Decimal	16765825
CIELab	86.72, 5.51, 46.15
CIELCh	87, 46.477, 83.189
Yxy	69.4335, 0.4065, 0.4121
Android (android.graphics.Color)	4294955905 (0xFFFFD381)
YUV	214.8080, -42.3033, 35.2484
Hunter-Lab	83.3268, 0.8952, 36.5817

Details

The Yxy color **69.4335, 0.4065, 0.4121** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.7606, 0.2282, 0.2267**, and the grayscale version is **68.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **36.3998, 0.4262, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **64.5412, 0.4284, 0.4263**, and if you desaturate by 10%, it is **74.7463, 0.3849, 0.3959**.

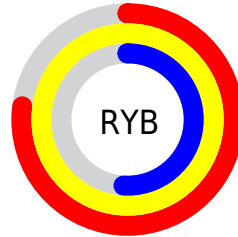
Distribution



Red (100%)

Green (83%)

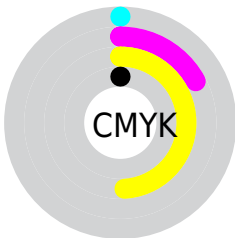
Blue (51%)



Red (77%)

Yellow (100%)

Blue (51%)

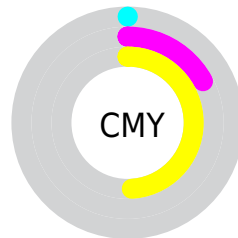


Cyan (0%)

Magenta (17%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4335, 0.4065, 0.4121 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 69.4335, 0.4065, 0.4121 by changing the saturation by 10% instead.

 69.4335, 0.4065,
0.4121

 69.4335, 0.4065,
0.4121


458.5584, 0.3638,
0.3753

 51.0648, 0.4157,
0.4198


 118.4005, 0.3920,
0.3998

 36.2602, 0.4267,
0.4288


 149.7677, 0.3863,
0.3949

 24.6352, 0.4400,
0.4393


 186.2365, 0.3813,
0.3906

 15.8055, 0.4559,
0.4515

228.1912, 0.3769,
0.3868

 9.3866, 0.4748,
0.4649

276.0164, 0.3731,
0.3834

 4.9942, 0.5094,
0.4906

330.0964, 0.3697,

 2.2439, 0.5160,

0.3804

0.4840

390.8156, 0.3666,
0.3777

0.7438, 0.5308,
0.4692

0.0000, 0.0000,
0.0000

69.4335, 0.4065,
0.4121

69.4335, 0.4065,
0.4121

64.5412, 0.4284,
0.4263

74.7463, 0.3849,
0.3959

60.0428, 0.4495,
0.4373

80.4849, 0.3643,
0.3787

55.9229, 0.4689,
0.4439

86.6671, 0.3451,
0.3613

52.1599, 0.4854,
0.4454

93.3060, 0.3276,
0.3443

■ 48.7229, 0.4986, 99.9950, 0.3127,
0.4420 0.3290

■ 48.5260, 0.4994,
0.4417

Harmonies

Analogous

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



69.4335, 0.4262, 0.3734



69.4335, 0.4065, 0.4121



69.4335, 0.3620, 0.4323

Triad

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



69.4335, 0.4065, 0.4121



69.4335, 0.2216, 0.3161



69.4335, 0.3106, 0.2565

Complementary

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



69.4335, 0.4065, 0.4121



41.7606, 0.2282, 0.2267

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.



69.4335, 0.2583, 0.2406



69.4335, 0.4065, 0.4121



69.4335, 0.2107, 0.2694

Square

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



69.4335, 0.4065, 0.4121



69.4335, 0.2555, 0.3740



69.4335, 0.2235, 0.2441



69.4335, 0.3684, 0.2879

Rectangle

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



69.4335, 0.4065, 0.4121



69.4335, 0.3254, 0.4281



69.4335, 0.2235, 0.2441



69.4335, 0.2918, 0.2493

Sweetspot

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



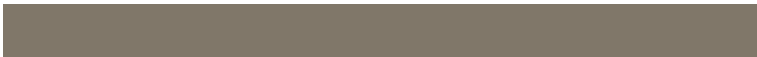
69.4368, 0.4065, 0.4121



89.5540, 0.3372, 0.3537



39.9789, 0.4019, 0.2837



18.8721, 0.3410, 0.3573



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.



69.4368, 0.4065, 0.4121



64.7457, 0.4275, 0.4258



90.9348, 0.3723, 0.4554



19.9611, 0.3278, 0.3444



25.6523, 0.4977, 0.4430



2.7025, 0.4864, 0.4520

Inverse Universe

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



41.7606, 0.2282, 0.2267



34.3277, 0.2117, 0.2025



29.2083, 0.2301, 0.1765



18.4144, 0.2979, 0.3131



7.7561, 0.1643, 0.1116



0.9506, 0.1706, 0.1340

Previews

White Background



This preview shows how the Yxy color 69.4335, 0.4065, 0.4121 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 69.4335, 0.4065, 0.4121 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 69.4335, 0.4065, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 69.4335, 0.4065, 0.4121.



This preview shows how white text looks on a background with the Yxy color 69.4335, 0.4065, 0.4121.

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

69.4335, 0.4065, 0.4121

Protanopia

69.4415, 0.3887, 0.4206

Deuteranopia

69.6531, 0.3900, 0.3879



Tritanopia

69.4036, 0.3435, 0.3169

Trichromacy



Original Color

69.4335, 0.4065, 0.4121

Protanomaly

69.4457, 0.3951, 0.4180

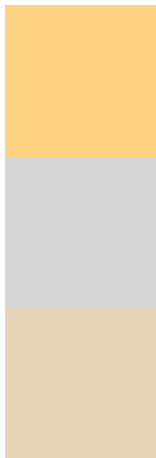
Deuteranomaly

69.3668, 0.3966, 0.3968

Tritanomaly

69.3463, 0.3675, 0.3529

Monochromacy



Original Color

69.4335, 0.4065, 0.4121

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.3768, 0.3460, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4335, 0.4065, 0.4121 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, 211, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 211, 129)  
}
```

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, 211, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 211, 129) }
```

Border

The CSS property to change the border of an element to Yxy 69.4335, 0.4065, 0.4121 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, 211, 129) }
```

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

```
.border{ border-color:rgb(255, 211, 129) }
```

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

Here you see how a box with a 4 pixel rgb(255, 211, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 211, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 211, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 211,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4335, 0.4065, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 211, 129) }
```

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

```
.background{ background-color: rgb(255,  
211, 129) }
```

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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