

Converting Colors

$Y_{xy}(69.8455, 0.4070, 0.4143)$

Have a look what the booklet for
Yxy(69.8455, 0.4070, 0.4143)
contains.

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Color

Yxy(69.9055, 0.4067, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	FFD480
RGB	255, 212, 128
RGB Percent	100%, 83%, 50%
CMY	0.0000, 0.1687, 0.4980
CMYK	0.00, 0.17, 0.50, 0.00
HSL	40°, 100%, 75%
HSV	40°, 50%, 100%
XYZ	68.6895, 69.9055, 30.2997
YIQ	215.2810, 52.5920, -17.0080

Conversions

Conversions Part 2

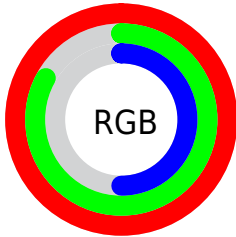
Format	Color
RYB	193, 255, 128
Decimal	16766080
CIELab	86.95, 4.95, 46.93
CIELCh	87, 47.187, 83.984
Yxy	69.9055, 0.4067, 0.4139
Android (android.graphics.Color)	4294956160 (0xFFFFD480)
YUV	215.2810, -43.0295, 34.8336
Hunter-Lab	83.6095, 0.3302, 37.0402

Details

The Yxy color **69.9055, 0.4067, 0.4139** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.9450, 0.2272, 0.2240**, and the grayscale version is **68.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **36.7113, 0.4269, 0.4318** is the 20% darker color. If you saturate the color by 10%, you get **65.1104, 0.4282, 0.4282**, and if you desaturate by 10%, it is **75.0946, 0.3853, 0.3975**.

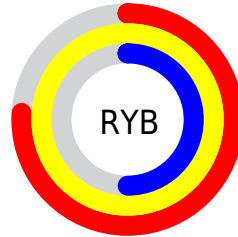
Distribution



Red (100%)

Green (83%)

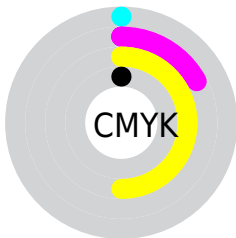
Blue (50%)



Red (76%)

Yellow (100%)

Blue (50%)

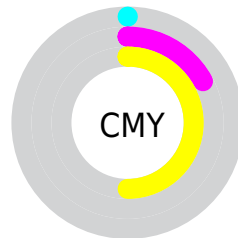


Cyan (0%)

Magenta (17%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (17%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9055, 0.4067, 0.4139 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 69.9055, 0.4067, 0.4139 by changing the saturation by 10% instead.


 69.9055, 0.4067,
0.4139


 69.9055, 0.4067,
0.4139


460.2181, 0.3641,
0.3763


 51.4495, 0.4159,
0.4217


 119.0740, 0.3923,
0.4014

 36.5665, 0.4268,
0.4309


 150.5553, 0.3866,
0.3964

 24.8720, 0.4399,
0.4416


 187.1471, 0.3816,
0.3920

 15.9817, 0.4556,
0.4540

229.2338, 0.3772,
0.3881

 9.5112, 0.4740,
0.4676

277.1999, 0.3733,
0.3846

 5.0761, 0.5071,
0.4929

331.4297, 0.3699,

 2.2920, 0.5130,

0.3815

0.4870

392.3077, 0.3668,
0.3788

0.7695, 0.5255,
0.4745

0.0000, 0.0000,
0.0000

69.9055, 0.4067,
0.4139

69.9055, 0.4067,
0.4139

65.1104, 0.4282,
0.4282

75.0946, 0.3853,
0.3975

60.7013, 0.4488,
0.4392

80.7013, 0.3649,
0.3801

56.6571, 0.4676,
0.4458

86.7367, 0.3458,
0.3624

52.9564, 0.4835,
0.4474

93.2138, 0.3282,
0.3452

■ 49.5672, 0.4963,
0.4440

100.0000, 0.3127,
0.3290

■ 49.5011, 0.4965,
0.4440

Harmonies

Analogous

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



69.9055, 0.4275, 0.3750



69.9055, 0.4067, 0.4139



69.9055, 0.3612, 0.4338

Triad

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



69.9055, 0.4067, 0.4139



69.9055, 0.2199, 0.3144



69.9055, 0.3121, 0.2564

Complementary

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



69.9055, 0.4067, 0.4139



40.9450, 0.2272, 0.2240

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.



69.9055, 0.2588, 0.2398



69.9055, 0.4067, 0.4139



69.9055, 0.2096, 0.2677

Square

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



69.9055, 0.4067, 0.4139



69.9055, 0.2536, 0.3731



69.9055, 0.2231, 0.2427



69.9055, 0.3706, 0.2884

Rectangle

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



69.9055, 0.4067, 0.4139



69.9055, 0.3239, 0.4290



69.9055, 0.2231, 0.2427



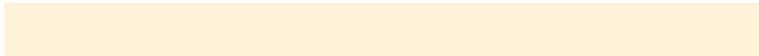
69.9055, 0.2929, 0.2489

Sweetspot

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



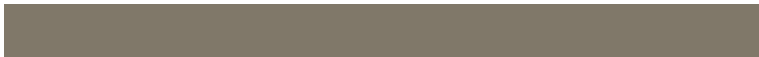
69.9027, 0.4067, 0.4139



89.7882, 0.3372, 0.3541



39.6989, 0.4029, 0.2834



18.9287, 0.3409, 0.3577



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.



69.9027, 0.4067, 0.4139



65.0174, 0.4286, 0.4285



90.9037, 0.3727, 0.4563



19.9937, 0.3278, 0.3447



26.1530, 0.4949, 0.4452



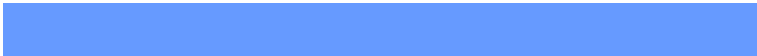
2.7489, 0.4841, 0.4539

Inverse Universe

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



40.9450, 0.2272, 0.2240



33.0958, 0.2095, 0.1978



28.8716, 0.2294, 0.1751



18.3832, 0.2979, 0.3128



7.5271, 0.1636, 0.1089



0.9256, 0.1698, 0.1313

Previews

White Background



This preview shows how the Yxy color 69.9055, 0.4067, 0.4139 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 69.9055, 0.4067, 0.4139 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 69.9055, 0.4067, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 69.9055, 0.4067, 0.4139.



This preview shows how white text looks on a background with the Yxy color 69.9055, 0.4067, 0.4139.

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

69.9055, 0.4067, 0.4139

Protanopia

69.9317, 0.3888, 0.4225

Deuteranopia

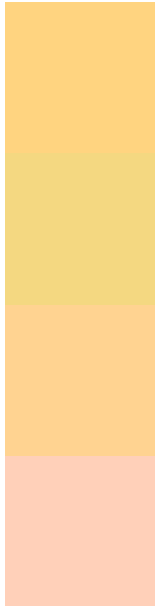
69.7197, 0.3885, 0.3859



Tritanopia

69.9324, 0.3425, 0.3169

Trichromacy



Original Color

69.9055, 0.4067, 0.4139

Protanomaly

69.9298, 0.3952, 0.4199

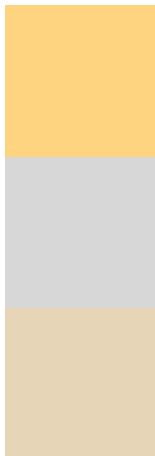
Deuteranomaly

69.8929, 0.3954, 0.3968

Tritanomaly

69.8745, 0.3664, 0.3529

Monochromacy



Original Color

69.9055, 0.4067, 0.4139

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.3350, 0.3467, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.9055, 0.4067, 0.4139 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 212, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 212, 128) }
```

Border

The CSS property to change the border of an element to Yxy 69.9055, 0.4067, 0.4139 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, 128) }
```

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

```
.border{ border-color:rgb(255, 212, 128) }
```

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, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 212, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 212, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 212,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 69.9055, 0.4067, 0.4139 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, 128) }
```

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

```
.background{ background-color: rgb(255,  
212, 128) }
```

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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