

Converting Colors

$Yxy(68.1625, 0.4202, 0.4280)$

Have a look what the booklet for
Yxy(68.1625, 0.4202, 0.4280)
contains.

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Color

Yxy(67.9651, 0.4206, 0.4279)

Conversions

Conversions Part 1

Format	Color
Hex	FFD16D
RGB	255, 209, 109
RGB Percent	100%, 82%, 43%
CMY	0.0000, 0.1804, 0.5726
CMYK	0.00, 0.18, 0.57, 0.00
HSL	41°, 100%, 71%
HSV	41°, 57%, 100%
XYZ	66.8056, 67.9651, 24.0634
YIQ	211.3540, 59.5160, -21.3480

Conversions

Conversions Part 2

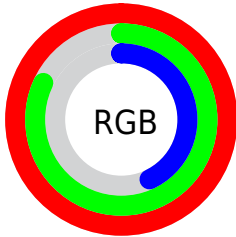
Format	Color
R _Y B	176, 255, 109
Decimal	16765293
CIE Lab	85.99, 4.95, 54.92
CIE LCh	86, 55.146, 84.850
Yxy	67.9651, 0.4206, 0.4279
Android (android.graphics.Color)	4294955373 (0xFFFFD16D)
YUV	211.3540, -50.4605, 38.2775
Hunter-Lab	82.4409, 0.3749, 40.4027

Details

The Yxy color **67.9651, 0.4206, 0.4279** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.9120, 0.2132, 0.2004**, and the grayscale version is **65.6973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **35.3402, 0.4417, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **63.6496, 0.4406, 0.4403**, and if you desaturate by 10%, it is **72.6383, 0.3998, 0.4125**.

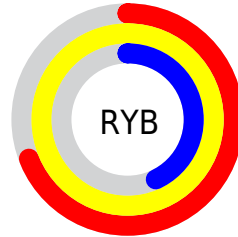
Distribution



Red (100%)

Green (82%)

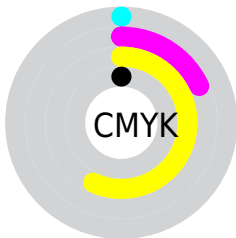
Blue (43%)



Red (69%)

Yellow (100%)

Blue (43%)

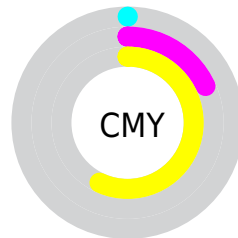


Cyan (0%)

Magenta (18%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9651, 0.4206, 0.4279 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 67.9651, 0.4206, 0.4279 by changing the saturation by 10% instead.


 67.9651, 0.4206,
0.4279

 67.9651, 0.4206,
0.4279


453.3724, 0.3722,
0.3847


 49.8693, 0.4307,
0.4366


 116.3022, 0.4045,
0.4138


 35.3096, 0.4424,
0.4464


 147.3124, 0.3980,
0.4080

 23.9015, 0.4561,
0.4576


 183.3961, 0.3923,
0.4029

 15.2605, 0.4716,
0.4696

 224.9378, 0.3873,
0.3984

 9.0024, 0.4902,
0.4830

272.3219, 0.3829,
0.3944

 4.7428, 0.5075,
0.4925

325.9328, 0.3790,

 2.0971, 0.5137,

0.3908

0.4863

386.1548, 0.3754,
0.3876

0.6630, 0.5311,
0.4689

0.0000, 0.0000,
0.0000

67.9651, 0.4206,
0.4279

67.9651, 0.4206,
0.4279

63.6496, 0.4406,
0.4403

72.6383, 0.3998,
0.4125

59.6753, 0.4590,
0.4486

77.6850, 0.3792,
0.3953

56.0222, 0.4746,
0.4519

83.1193, 0.3595,
0.3772

52.6659, 0.4869,
0.4501

88.9540, 0.3410,
0.3590

■ 51.7878, 0.4900,
0.4491

■ 95.2014, 0.3240,
0.3413

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.



67.9651, 0.4473, 0.3818



67.9651, 0.4206, 0.4279



67.9651, 0.3661, 0.4532

Triad

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



67.9651, 0.4206, 0.4279



67.9651, 0.2041, 0.3086



67.9651, 0.3134, 0.2460

Complementary

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



67.9651, 0.4206, 0.4279



33.9120, 0.2132, 0.2004

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.



67.9651, 0.2510, 0.2264



67.9651, 0.4206, 0.4279



67.9651, 0.1937, 0.2552

Square

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



67.9651, 0.4206, 0.4279



67.9651, 0.2416, 0.3793



67.9651, 0.2098, 0.2283



67.9651, 0.3826, 0.2828

Rectangle

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



67.9651, 0.4206, 0.4279



67.9651, 0.3225, 0.4480



67.9651, 0.2098, 0.2283



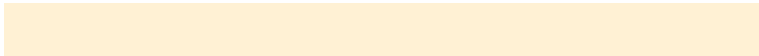
67.9651, 0.2908, 0.2373

Sweetspot

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



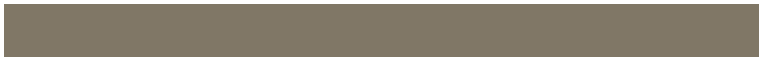
67.9649, 0.4206, 0.4279



89.1092, 0.3405, 0.3585



34.5705, 0.4307, 0.2828



18.8147, 0.3441, 0.3622



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.



67.9649, 0.4206, 0.4279



62.9328, 0.4440, 0.4421



89.1560, 0.3761, 0.4750



20.0686, 0.3277, 0.3452



27.3401, 0.4886, 0.4503



2.8581, 0.4787, 0.4581

Inverse Universe

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



33.9120, 0.2132, 0.2004



26.0689, 0.1940, 0.1693



23.3706, 0.2179, 0.1514



18.3115, 0.2979, 0.3122



7.0311, 0.1619, 0.1029



0.8706, 0.1681, 0.1251

Previews

White Background



This preview shows how the Yxy color 67.9651, 0.4206, 0.4279 looks on a white background.

Color Contrast Check

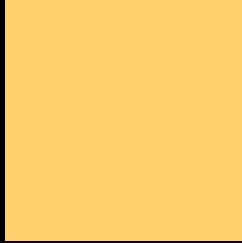
Large Text (above 18pt) WCAG AA × Fail

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 67.9651, 0.4206, 0.4279 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 67.9651, 0.4206, 0.4279

Background



This preview shows how black text looks on a background with the Yxy color 67.9651, 0.4206, 0.4279.



This preview shows how white text looks on a background with the Yxy color 67.9651, 0.4206, 0.4279.

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

67.9651, 0.4206, 0.4279

Protanopia

67.9257, 0.4022, 0.4376

Deuteranopia

67.8087, 0.4001, 0.3969



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

67.9651, 0.4206, 0.4279

Protanomaly

67.9474, 0.4088, 0.4346

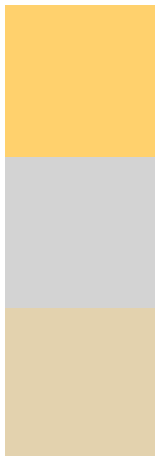
Deuteranomaly

67.9567, 0.4081, 0.4093

Tritanomaly

67.5409, 0.3754, 0.3593

Monochromacy



Original Color

67.9651, 0.4206, 0.4279

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.4801, 0.3519, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9651, 0.4206, 0.4279 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, 209, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 109)  
}
```

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, 209, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 109) }
```

Border

The CSS property to change the border of an element to Yxy 67.9651, 0.4206, 0.4279 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, 209, 109) }
```

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

```
.border{ border-color:rgb(255, 209, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9651, 0.4206, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 109) }
```

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

```
.background{ background-color: rgb(255,  
209, 109) }
```

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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