

Converting Colors

$Yxy(69.4875, 0.4046, 0.4168)$

Have a look what the booklet for
Yxy(69.4875, 0.4046, 0.4168)
contains.

Yxy(69.8163, 0.4044, 0.4166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.8163, 0.4044, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	FCD57F
RGB	252, 213, 127
RGB Percent	99%, 84%, 50%
CMY	0.0118, 0.1647, 0.5018
CMYK	0.00, 0.15, 0.50, 0.01
HSL	41°, 95%, 74%
HSV	41°, 50%, 99%
XYZ	67.7718, 69.8163, 29.9979
YIQ	214.8570, 50.8500, -18.4780

Conversions

Conversions Part 2

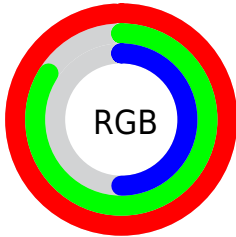
Format	Color
RYB	184, 252, 127
Decimal	16569727
CIELab	86.91, 3.13, 47.29
CIElCh	87, 47.390, 86.216
Yxy	69.8163, 0.4044, 0.4166
Android (android.graphics.Color)	4294759807 (0xFFFC57F)
YUV	214.8570, -43.3135, 32.5744
Hunter-Lab	83.5561, -1.4433, 37.2033

Details

The Yxy color **69.8163, 0.4044, 0.4166** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.8307, 0.2268, 0.2203**, and the grayscale version is **68.1306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **36.6417, 0.4238, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **65.3815, 0.4250, 0.4315**, and if you desaturate by 10%, it is **74.6139, 0.3838, 0.3996**.

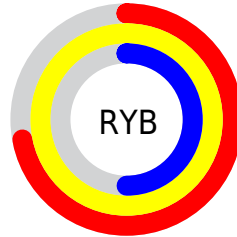
Distribution



Red (99%)

Green (84%)

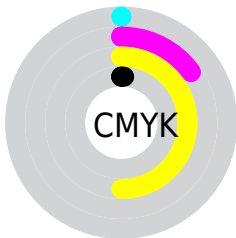
Blue (50%)



Red (72%)

Yellow (99%)

Blue (50%)

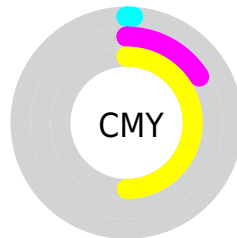


Cyan (0%)

Magenta (15%)

Yellow (50%)

Black (1%)



Cyan (1%)


Magenta (16%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8163, 0.4044, 0.4166 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 69.8163, 0.4044, 0.4166 by changing the saturation by 10% instead.


 69.8163, 0.4044,
0.4166

 69.8163, 0.4044,
0.4166


459.9047, 0.3629,
0.3776


 51.3768, 0.4133,
0.4248


 118.9467, 0.3904,
0.4036

 36.5086, 0.4238,
0.4344


 150.4065, 0.3848,
0.3983

 24.8272, 0.4364,
0.4457


 186.9751, 0.3800,
0.3938

 15.9484, 0.4514,
0.4589

229.0369, 0.3757,
0.3897

 9.4876, 0.4689,
0.4735

276.9764, 0.3720,
0.3862

 5.0606, 0.4999,
0.5001

331.1779, 0.3686,

 2.2829, 0.5037,

0.3830

392.0259, 0.3656,
0.3801

0.4963

0.7646, 0.5123,
0.4877

0.0000, 0.0000,
0.0000

69.8163, 0.4044,
0.4166

69.8163, 0.4044,
0.4166

65.3815, 0.4250,
0.4315

74.6139, 0.3838,
0.3996

61.2844, 0.4446,
0.4430

79.7782, 0.3639,
0.3816

57.5112, 0.4622,
0.4503

85.3252, 0.3451,
0.3633

54.0422, 0.4770,
0.4525

91.2671, 0.3278,
0.3454

■ 50.8479, 0.4887,
0.4500

■ 97.6149, 0.3121,
0.3283

■ 50.7197, 0.4892,
0.4498

■ 99.4350, 0.3109,
0.3290

Harmonies

Analogous

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



69.8163, 0.4276, 0.3784



69.8163, 0.4044, 0.4166



69.8163, 0.3573, 0.4346

Triad

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



69.8163, 0.4044, 0.4166



69.8163, 0.2179, 0.3102



69.8163, 0.3165, 0.2580

Complementary

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



69.8163, 0.4044, 0.4166



38.8307, 0.2268, 0.2203

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.



69.8163, 0.2620, 0.2401



69.8163, 0.4044, 0.4166



69.8163, 0.2094, 0.2647

Square

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



69.8163, 0.4044, 0.4166



69.8163, 0.2501, 0.3690



69.8163, 0.2246, 0.2414



69.8163, 0.3749, 0.2911

Rectangle

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



69.8163, 0.4044, 0.4166



69.8163, 0.3197, 0.4279



69.8163, 0.2246, 0.2414



69.8163, 0.2970, 0.2501

Sweetspot

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



69.8196, 0.4044, 0.4166



90.3960, 0.3370, 0.3551



38.6618, 0.4072, 0.2879



19.0756, 0.3407, 0.3588



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.



69.8196, 0.4044, 0.4166



66.9681, 0.4259, 0.4321



87.8258, 0.3695, 0.4571



19.2233, 0.3277, 0.3453



26.6961, 0.4877, 0.4510



2.6616, 0.4775, 0.4591

Inverse Universe

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



38.8307, 0.2268, 0.2203



31.7765, 0.2083, 0.1925



28.6988, 0.2328, 0.1771



17.5267, 0.2979, 0.3122



6.7774, 0.1618, 0.1024



0.8082, 0.1682, 0.1256

Previews

White Background



This preview shows how the Yxy color 69.8163, 0.4044, 0.4166 looks on a white background.

Color Contrast Check

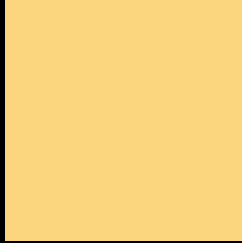
Large Text (above 18pt) WCAG AA × Fail

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 69.8163, 0.4044, 0.4166 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 69.8163, 0.4044, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 69.8163, 0.4044, 0.4166.



This preview shows how white text looks on a background with the Yxy color 69.8163, 0.4044, 0.4166.

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

69.8163, 0.4044, 0.4166

Protanopia

69.9049, 0.3895, 0.4235

Deuteranopia

69.6863, 0.3893, 0.3869



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

69.8163, 0.4044, 0.4166

Protanomaly

69.7249, 0.3951, 0.4211

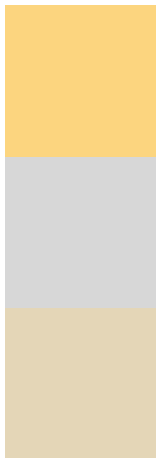
Deuteranomaly

69.6730, 0.3953, 0.3980

Tritanomaly

69.6854, 0.3657, 0.3530

Monochromacy



Original Color

69.8163, 0.4044, 0.4166

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0060, 0.3452, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8163, 0.4044, 0.4166 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(252, 213, 127)` looks like.

```
.text, #text, p{  
    color:rgb(252, 213, 127)  
}
```

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(252, 213, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 213, 127) }
```

Border

The CSS property to change the border of an element to Yxy 69.8163, 0.4044, 0.4166 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(252, 213, 127) }
```

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

```
.border{ border-color:rgb(252, 213, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 213, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 213, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 213, 127); box-shadow:4px 4px 4px 4px rgb(252, 213, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8163, 0.4044, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 213, 127) }
```

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

```
.background{ background-color: rgb(252,  
213, 127) }
```

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