

Converting Colors

Yxy(67.8331, 0.4088, 0.4228)

Have a look what the booklet for
Yxy(67.8331, 0.4088, 0.4228)
contains.

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Color

Yxy(68.0602, 0.4083, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	F9D377
RGB	249, 211, 119
RGB Percent	98%, 83%, 47%
CMY	0.0237, 0.1725, 0.5334
CMYK	0.00, 0.15, 0.52, 0.02
HSL	42°, 91%, 72%
HSV	42°, 52%, 98%
XYZ	65.6795, 68.0602, 27.1211
YIQ	211.8740, 52.1800, -20.5560

Conversions

Conversions Part 2

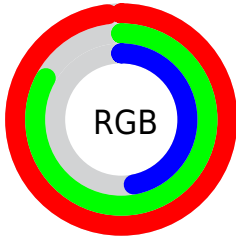
Format	Color
R _Y B	173, 249, 119
Decimal	16372599
CIE Lab	86.04, 2.23, 50.09
CIE LCh	86, 50.137, 87.447
Yxy	68.0602, 0.4083, 0.4231
Android (android.graphics.Color)	4294562679 (0xFFFF9D377)
YUV	211.8740, -45.7869, 32.5595
Hunter-Lab	82.4986, -2.2637, 38.2576

Details

The Yxy color **68.0602, 0.4083, 0.4231** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.8440, 0.2214, 0.2099**, and the grayscale version is **66.0327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **35.4663, 0.4282, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **64.0118, 0.4280, 0.4376**, and if you desaturate by 10%, it is **72.4350, 0.3882, 0.4062**.

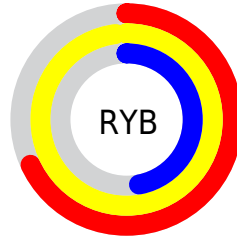
Distribution



Red (98%)

Green (83%)

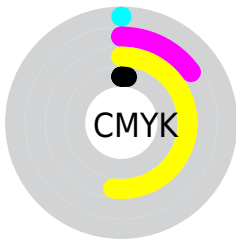
Blue (47%)



Red (68%)

Yellow (98%)

Blue (47%)

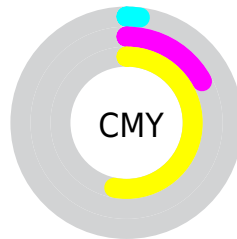


Cyan (0%)

Magenta (15%)

Yellow (52%)

Black (2%)



Cyan (2%)

Magenta (17%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0602, 0.4083, 0.4231 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 68.0602, 0.4083, 0.4231 by changing the saturation by 10% instead.


 68.0602, 0.4083,
0.4231


 68.0602, 0.4083,
0.4231


453.7093, 0.3652,
0.3811


 49.9467, 0.4174,
0.4319

 116.4383, 0.3938,
0.4091

 35.3711, 0.4282,
0.4421


 147.4716, 0.3880,
0.4035

 23.9488, 0.4409,
0.4540


 183.5804, 0.3830,
0.3986

 15.2957, 0.4558,
0.4677

225.1490, 0.3786,
0.3942

 9.0272, 0.4725,
0.4825

272.5618, 0.3746,
0.3904

 4.7589, 0.4965,
0.5035

326.2031, 0.3711,

 2.1065, 0.4993,

0.3870

0.5007

386.4575, 0.3680,
0.3839

■ 0.6683, 0.5079,
0.4921

■ 0.0000, 0.0000,
0.0000

■ 68.0602, 0.4083,
0.4231

■ 68.0602, 0.4083,
0.4231

■ 64.0118, 0.4280,
0.4376

■ 72.4350, 0.3882,
0.4062

■ 60.2653, 0.4464,
0.4485

■ 77.1396, 0.3684,
0.3879

■ 56.8075, 0.4624,
0.4548

■ 82.1896, 0.3496,
0.3692

■ 53.6187, 0.4755,
0.4561

■ 87.5962, 0.3321,
0.3506

■ 51.2987, 0.4837,
0.4541

■ 93.3702, 0.3161,
0.3328

■ 98.6311, 0.3090,
0.3286

■ 98.8724, 0.3090,
0.3290

Harmonies

Analogous

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



68.0602, 0.4347, 0.3826



68.0602, 0.4083, 0.4231



68.0602, 0.3573, 0.4420

Triad

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



68.0602, 0.4083, 0.4231



68.0602, 0.2113, 0.3061



68.0602, 0.3191, 0.2550

Complementary

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



68.0602, 0.4083, 0.4231



34.8440, 0.2214, 0.2099

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.



68.0602, 0.2608, 0.2353



68.0602, 0.4083, 0.4231



68.0602, 0.2035, 0.2589

Square

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



68.0602, 0.4083, 0.4231



68.0602, 0.2441, 0.3691



68.0602, 0.2205, 0.2356



68.0602, 0.3814, 0.2903

Rectangle

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



68.0602, 0.4083, 0.4231



68.0602, 0.3172, 0.4341



68.0602, 0.2205, 0.2356



68.0602, 0.2983, 0.2464

Sweetspot

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



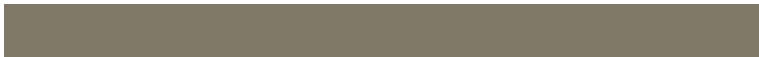
68.0634, 0.4083, 0.4231



90.2812, 0.3386, 0.3576



35.7892, 0.4175, 0.2883



19.0718, 0.3422, 0.3615



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.



68.0634, 0.4083, 0.4231



67.2399, 0.4297, 0.4387



84.7404, 0.3703, 0.4641



19.2847, 0.3276, 0.3457



27.7267, 0.4824, 0.4552



2.7508, 0.4730, 0.4626

Inverse Universe

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



34.8440, 0.2214, 0.2099



28.7388, 0.2023, 0.1802



26.0438, 0.2294, 0.1689



17.4684, 0.2979, 0.3117



6.4008, 0.1605, 0.0976



0.7673, 0.1668, 0.1206

Previews

White Background



This preview shows how the Yxy color 68.0602, 0.4083, 0.4231 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 68.0602, 0.4083, 0.4231 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 68.0602, 0.4083, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 68.0602, 0.4083, 0.4231.



This preview shows how white text looks on a background with the Yxy color 68.0602, 0.4083, 0.4231.

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

68.0602, 0.4083, 0.4231

Protanopia

67.9859, 0.3953, 0.4287

Deuteranopia

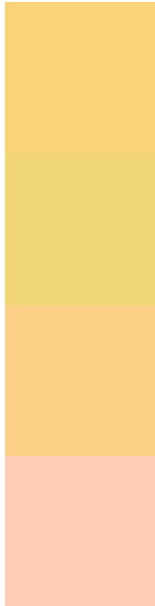
67.8993, 0.3979, 0.3939



Tritanopia

67.9396, 0.3447, 0.3148

Trichromacy



Original Color

68.0602, 0.4083, 0.4231

Protanomaly

68.1500, 0.3996, 0.4275

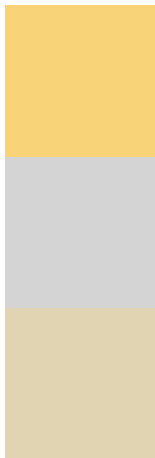
Deuteranomaly

67.7437, 0.4023, 0.4041

Tritanomaly

67.8406, 0.3696, 0.3552

Monochromacy



Original Color

68.0602, 0.4083, 0.4231

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.3089, 0.3469, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0602, 0.4083, 0.4231 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(249, 211, 119)` looks like.

```
.text, #text, p{  
    color:rgb(249, 211, 119)  
}
```

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(249, 211, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 211, 119) }
```

Border

The CSS property to change the border of an element to Yxy 68.0602, 0.4083, 0.4231 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(249, 211, 119) }
```

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

```
.border{ border-color:rgb(249, 211, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 211, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 211, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 211, 119);  
box-shadow:4px 4px 4px 4px rgb(249, 211,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0602, 0.4083, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 211, 119) }
```

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

```
.background{ background-color: rgb(249,  
211, 119) }
```

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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