

Converting Colors

$Y_{xy}(68.1849, 0.4065, 0.4078)$

Have a look what the booklet for
Yxy(68.1849, 0.4065, 0.4078)
contains.

Yxy(68.0104, 0.4067, 0.4074)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0104, 0.4067, 0.4074)

Conversions

Conversions Part 1

Format	Color
Hex	FFD083
RGB	255, 208, 131
RGB Percent	100%, 82%, 51%
CMY	0.0000, 0.1843, 0.4861
CMYK	0.00, 0.18, 0.49, 0.00
HSL	37°, 100%, 76%
HSV	37°, 49%, 100%
XYZ	67.8935, 68.0104, 31.0337
YIQ	213.2750, 52.7290, -13.9830

Conversions

Conversions Part 2

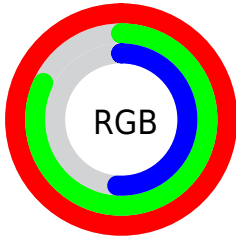
Format	Color
RYB	207, 255, 131
Decimal	16765059
CIELab	86.01, 7.25, 44.26
CIElCh	86, 44.853, 80.695
Yxy	68.0104, 0.4067, 0.4074
Android (android.graphics.Color)	4294955139 (0xFFFFD083)
YUV	213.2750, -40.5616, 36.5928
Hunter-Lab	82.4684, 2.6335, 35.4165

Details

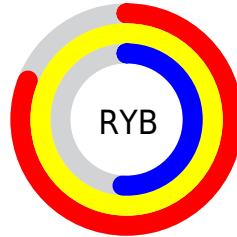
The Yxy color **68.0104, 0.4067, 0.4074** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.8994, 0.2305, 0.2335**, and the grayscale version is **66.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **35.4262, 0.4272, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **62.8339, 0.4296, 0.4212**, and if you desaturate by 10%, it is **73.6508, 0.3844, 0.3917**.

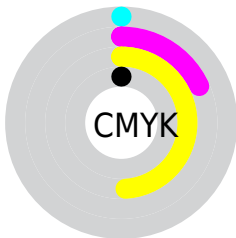
Distribution



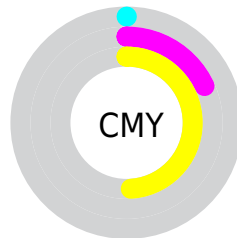
- Red (100%)
- Green (82%)
- Blue (51%)



- Red (81%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (18%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (18%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0104, 0.4067, 0.4074 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 68.0104, 0.4067, 0.4074 by changing the saturation by 10% instead.


 68.0104, 0.4067,
0.4074

 68.0104, 0.4067,
0.4074


453.5329, 0.3636,
0.3726


 49.9062, 0.4161,
0.4147


 116.3670, 0.3920,
0.3958

 35.3389, 0.4275,
0.4232


 147.3882, 0.3862,
0.3912

 23.9240, 0.4412,
0.4331


 183.4839, 0.3812,
0.3871

 15.2773, 0.4579,
0.4446

225.0384, 0.3768,
0.3835

 9.0142, 0.4781,
0.4572

272.4362, 0.3729,
0.3803

 4.7505, 0.5146,
0.4813

326.0616, 0.3694,

 2.1016, 0.5257,

0.3775

0.4743

386.2990, 0.3663,
0.3749

0.6655, 0.5488,
0.4512

0.0000, 0.0000,
0.0000

68.0104, 0.4067,
0.4074

68.0104, 0.4067,
0.4074

62.8339, 0.4296,
0.4212

73.6508, 0.3844,
0.3917

58.0938, 0.4521,
0.4319

79.7618, 0.3633,
0.3752

53.7737, 0.4731,
0.4383

86.3618, 0.3439,
0.3585

49.8510, 0.4912,
0.4395

93.4651, 0.3264,
0.3423

■ 46.2959, 0.5060,
0.4356

99.9993, 0.3127,
0.3290

■ 45.8268, 0.5079,
0.4349

Harmonies

Analogous

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



68.0104, 0.4232, 0.3690



68.0104, 0.4067, 0.4074



68.0104, 0.3651, 0.4288

Triad

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



68.0104, 0.4067, 0.4074



68.0104, 0.2259, 0.3211



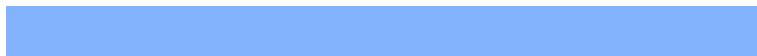
68.0104, 0.3061, 0.2564

Complementary

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



68.0104, 0.4067, 0.4074



43.8994, 0.2305, 0.2335

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.



68.0104, 0.2562, 0.2424



68.0104, 0.4067, 0.4074



68.0104, 0.2133, 0.2742

Square

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



68.0104, 0.4067, 0.4074



68.0104, 0.2608, 0.3772



68.0104, 0.2239, 0.2476



68.0104, 0.3625, 0.2860

Rectangle

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



68.0104, 0.4067, 0.4074



68.0104, 0.3298, 0.4265



68.0104, 0.2239, 0.2476



68.0104, 0.2880, 0.2498

Sweetspot

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



68.0136, 0.4067, 0.4074



88.8719, 0.3374, 0.3526



40.7383, 0.3950, 0.2801



18.7073, 0.3412, 0.3560



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.



68.0136, 0.4067, 0.4074



63.1403, 0.4282, 0.4204



91.7763, 0.3744, 0.4522



19.8659, 0.3279, 0.3437



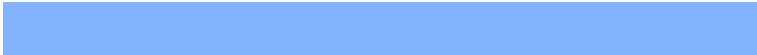
24.2434, 0.5061, 0.4364



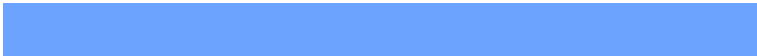
2.5713, 0.4935, 0.4463

Inverse Universe

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



43.8994, 0.2305, 0.2335



36.6052, 0.2146, 0.2109



29.5272, 0.2288, 0.1781



18.5062, 0.2979, 0.3138



8.4721, 0.1666, 0.1198



1.0275, 0.1729, 0.1423

Previews

White Background



This preview shows how the Yxy color 68.0104, 0.4067, 0.4074 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 68.0104, 0.4067, 0.4074 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 68.0104, 0.4067, 0.4074

Background



This preview shows how black text looks on a background with the Yxy color 68.0104, 0.4067, 0.4074.



This preview shows how white text looks on a background with the Yxy color 68.0104, 0.4067, 0.4074.

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

68.0104, 0.4067, 0.4074

Protanopia

67.9843, 0.3852, 0.4165

Deuteranopia

67.9922, 0.3957, 0.3910



Tritanopia

67.8883, 0.3455, 0.3158

Trichromacy



Original Color

68.0104, 0.4067, 0.4074

Protanomaly

67.6577, 0.3929, 0.4128

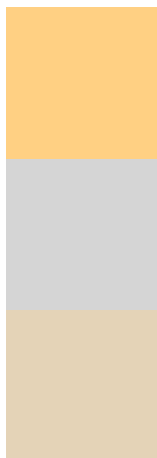
Deuteranomaly

67.8087, 0.4001, 0.3969

Tritanomaly

67.9064, 0.3683, 0.3499

Monochromacy



Original Color

68.0104, 0.4067, 0.4074

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.5014, 0.3458, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0104, 0.4067, 0.4074 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, 208, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 131)  
}
```

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, 208, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 131) }
```

Border

The CSS property to change the border of an element to Yxy 68.0104, 0.4067, 0.4074 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, 208, 131) }
```

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

```
.border{ border-color:rgb(255, 208, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0104, 0.4067, 0.4074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 131) }
```

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

```
.background{ background-color: rgb(255,  
208, 131) }
```

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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