

Converting Colors

$Yxy(89.7692, 0.4700, 0.3823)$

Have a look what the booklet for
Yxy(89.7692, 0.4700, 0.3823)
contains.

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Color

Yxy(68.1493, 0.4032, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	FFD088
RGB	255, 208, 136
RGB Percent	100%, 82%, 53%
CMY	0.0001, 0.1843, 0.4667
CMYK	0.00, 0.18, 0.47, 0.00
HSL	36°, 100%, 77%
HSV	36°, 47%, 100%
XYZ	68.2339, 68.1493, 32.8477
YIQ	213.8450, 51.1240, -12.4280

Conversions

Conversions Part 2

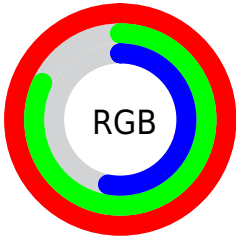
Format	Color
R _Y B	214, 255, 136
Decimal	16765064
CIE Lab	86.08, 7.70, 41.87
CIE LCh	86, 42.568, 79.580
Yxy	68.1493, 0.4032, 0.4027
Android (android.graphics.Color)	4294955144 (0xFFFFD088)
YUV	213.8450, -38.3776, 36.0929
Hunter-Lab	82.5526, 3.0723, 34.1953

Details

The Yxy color **68.1493, 0.4032, 0.4027** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.3030, 0.2343, 0.2404**, and the grayscale version is **67.3733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **35.5028, 0.4230, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **62.7583, 0.4266, 0.4166**, and if you desaturate by 10%, it is **74.0307, 0.3807, 0.3871**.

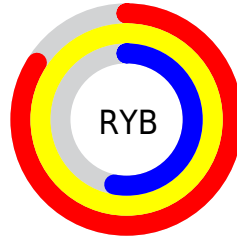
Distribution



Red (100%)

Green (82%)

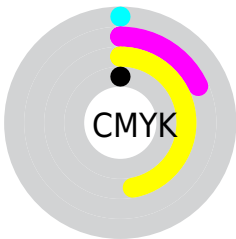
Blue (53%)



Red (84%)

Yellow (100%)

Blue (53%)

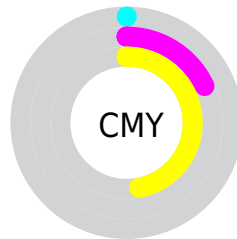


Cyan (0%)

Magenta (18%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1493, 0.4032, 0.4027 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 68.1493, 0.4032, 0.4027 by changing the saturation by 10% instead.

 68.1493, 0.4032,
0.4027

 68.1493, 0.4032,
0.4027


454.0248, 0.3615,
0.3699


 50.0192, 0.4124,
0.4096


 116.5657, 0.3889,
0.3918

 35.4287, 0.4235,
0.4177


 147.6208, 0.3833,
0.3874

 23.9933, 0.4371,
0.4273

 183.7530, 0.3785,
0.3835

 15.3286, 0.4538,
0.4385

225.3468, 0.3742,
0.3802

 9.0503, 0.4743,
0.4510

272.7864, 0.3705,
0.3772

 4.7740, 0.5074,
0.4712

326.4564, 0.3671,

 2.1153, 0.5279,

0.3745

0.4721

386.7410, 0.3642,
0.3721

0.6732, 0.5515,
0.4485

0.0000, 0.0000,
0.0000

68.1493, 0.4032,
0.4027

68.1493, 0.4032,
0.4027

62.7583, 0.4266,
0.4166

74.0307, 0.3807,
0.3871

57.8297, 0.4499,
0.4277

80.4095, 0.3597,
0.3709

53.3470, 0.4720,
0.4347

87.3046, 0.3405,
0.3547

49.2873, 0.4915,
0.4367

94.7309, 0.3232,
0.3390

■ 45.6238, 0.5076, 99.9961, 0.3127,
0.4332 0.3290

■ 44.4783, 0.5124,
0.4313

Harmonies

Analogous

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



68.1493, 0.4175, 0.3660



68.1493, 0.4032, 0.4027



68.1493, 0.3645, 0.4233

Triad

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



68.1493, 0.4032, 0.4027



68.1493, 0.2310, 0.3237



68.1493, 0.3046, 0.2589

Complementary

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



68.1493, 0.4032, 0.4027



46.3030, 0.2343, 0.2404

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.



68.1493, 0.2575, 0.2462



68.1493, 0.4032, 0.4027



68.1493, 0.2180, 0.2785

Square

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



68.1493, 0.4032, 0.4027



68.1493, 0.2651, 0.3765



68.1493, 0.2272, 0.2521



68.1493, 0.3581, 0.2868

Rectangle

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



68.1493, 0.4032, 0.4027



68.1493, 0.3311, 0.4216



68.1493, 0.2272, 0.2521



68.1493, 0.2875, 0.2528

Sweetspot

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



68.1525, 0.4032, 0.4027



89.2468, 0.3357, 0.3504



42.3066, 0.3880, 0.2799



18.7679, 0.3396, 0.3539



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.



68.1525, 0.4032, 0.4027



63.1133, 0.4250, 0.4158



92.3536, 0.3736, 0.4470



19.8167, 0.3279, 0.3434



23.5445, 0.5105, 0.4329



2.5057, 0.4973, 0.4434

Inverse Universe

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



46.3030, 0.2343, 0.2404



38.8923, 0.2186, 0.2187



31.1116, 0.2314, 0.1844



18.5540, 0.2979, 0.3142



8.8714, 0.1679, 0.1243



1.0696, 0.1741, 0.1467

Previews

White Background



This preview shows how the Yxy color 68.1493, 0.4032, 0.4027 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 68.1493, 0.4032, 0.4027 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 68.1493, 0.4032, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 68.1493, 0.4032, 0.4027.



This preview shows how white text looks on a background with the Yxy color 68.1493, 0.4032, 0.4027.

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

68.1493, 0.4032, 0.4027

Protanopia

68.4682, 0.3806, 0.4126

Deuteranopia

68.0556, 0.3942, 0.3890



Tritanopia

67.8883, 0.3455, 0.3158

Trichromacy



Original Color

68.1493, 0.4032, 0.4027

Protanomaly

68.3007, 0.3890, 0.4087

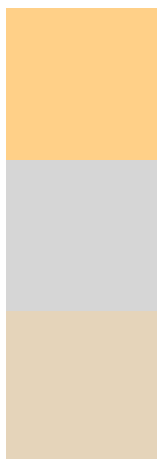
Deuteranomaly

67.8993, 0.3979, 0.3939

Tritanomaly

67.9909, 0.3668, 0.3478

Monochromacy



Original Color

68.1493, 0.4032, 0.4027

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.2902, 0.3442, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1493, 0.4032, 0.4027 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 136) }
```

Border

The CSS property to change the border of an element to Yxy 68.1493, 0.4032, 0.4027 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, 136) }
```

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

```
.border{ border-color:rgb(255, 208, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1493, 0.4032, 0.4027 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, 136) }
```

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

```
.background{ background-color: rgb(255,  
208, 136) }
```

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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