

Converting Colors

$Y_{xy}(100.0000, 0.4835, 0.3746)$

Have a look what the booklet for
Yxy(100.0000, 0.4835, 0.3746)
contains.

Yxy(68.7840, 0.3992, 0.3988)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.7840, 0.3992, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	FFD18D
RGB	255, 209, 141
RGB Percent	100%, 82%, 55%
CMY	0.0000, 0.1804, 0.4471
CMYK	0.00, 0.18, 0.45, 0.00
HSL	36°, 100%, 78%
HSV	36°, 45%, 100%
XYZ	68.8530, 68.7840, 34.8404
YIQ	215.0020, 49.2440, -11.3960

Conversions

Conversions Part 2

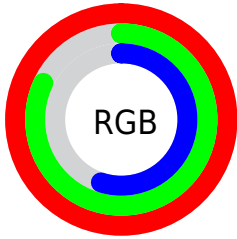
Format	Color
R _Y B	218, 255, 141
Decimal	16765325
CIE Lab	86.40, 7.69, 39.75
CIE LCh	86, 40.488, 79.055
Yxy	68.7840, 0.3992, 0.3988
Android (android.graphics.Color)	4294955405 (0xFFFFD18D)
YUV	215.0020, -36.4830, 35.0782
Hunter-Lab	82.9361, 3.0513, 33.1483

Details

The Yxy color **68.7840, 0.3992, 0.3988** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.4161, 0.2379, 0.2461**, and the grayscale version is **68.1809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **35.9166, 0.4179, 0.4131** is the 20% darker color. If you saturate the color by 10%, you get **63.2230, 0.4227, 0.4129**, and if you desaturate by 10%, it is **74.8443, 0.3767, 0.3832**.

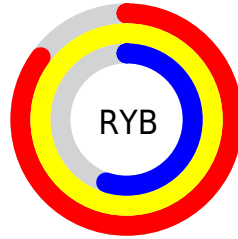
Distribution



Red (100%)

Green (82%)

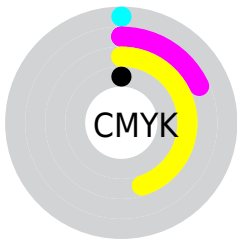
Blue (55%)



Red (85%)

Yellow (100%)

Blue (55%)

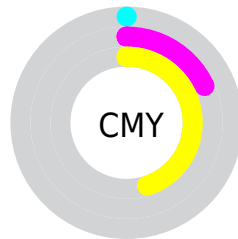


Cyan (0%)

Magenta (18%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7840, 0.3992, 0.3988 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 68.7840, 0.3992, 0.3988 by changing the saturation by 10% instead.


 68.7840, 0.3992,
0.3988


 68.7840, 0.3992,
0.3988


456.2688, 0.3593,
0.3677


 50.5358, 0.4081,
0.4054


 117.4730, 0.3855,
0.3884

 35.8393, 0.4188,
0.4132


 148.6826, 0.3801,
0.3842

 24.3101, 0.4319,
0.4224


 184.9815, 0.3755,
0.3806

 15.5638, 0.4483,
0.4334

226.7541, 0.3714,
0.3774

 9.2160, 0.4687,
0.4460

274.3847, 0.3678,
0.3745

 4.8824, 0.4984,
0.4634

328.2577, 0.3647,

 2.1784, 0.5275,

0.3720

0.4725

388.7576, 0.3618,
0.3697

0.7082, 0.5487,
0.4513

0.0000, 0.0000,
0.0000

68.7840, 0.3992,
0.3988

68.7840, 0.3992,
0.3988

63.2230, 0.4227,
0.4129

74.8443, 0.3767,
0.3832

58.1453, 0.4465,
0.4245

81.4230, 0.3559,
0.3671

53.5300, 0.4693,
0.4322

88.5353, 0.3370,
0.3512

49.3549, 0.4899,
0.4350

96.1962, 0.3200,
0.3359

■ 45.5935, 0.5071, 100.0000, 0.3127,
0.4324 0.3290

■ 43.7545, 0.5150,
0.4293

Harmonies

Analogous

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



68.7840, 0.4121, 0.3639



68.7840, 0.3992, 0.3988



68.7840, 0.3629, 0.4183

Triad

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



68.7840, 0.3992, 0.3988



68.7840, 0.2354, 0.3251



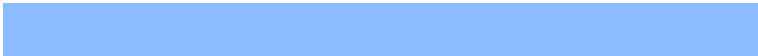
68.7840, 0.3043, 0.2618

Complementary

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



68.7840, 0.3992, 0.3988



48.4161, 0.2379, 0.2461

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.



68.7840, 0.2596, 0.2500



68.7840, 0.3992, 0.3988



68.7840, 0.2225, 0.2819

Square

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



68.7840, 0.3992, 0.3988



68.7840, 0.2683, 0.3747



68.7840, 0.2310, 0.2561



68.7840, 0.3549, 0.2883

Rectangle

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



68.7840, 0.3992, 0.3988



68.7840, 0.3313, 0.4167



68.7840, 0.2310, 0.2561



68.7840, 0.2881, 0.2561

Sweetspot

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



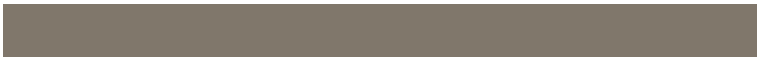
68.7833, 0.3992, 0.3988



89.8073, 0.3340, 0.3486



43.9575, 0.3814, 0.2799



18.8720, 0.3379, 0.3520



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.



68.7833, 0.3992, 0.3988



63.6025, 0.4210, 0.4120



92.9450, 0.3727, 0.4419



19.7892, 0.3279, 0.3432



23.1632, 0.5130, 0.4309



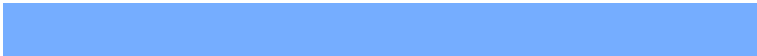
2.4697, 0.4994, 0.4417

Inverse Universe

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



48.4161, 0.2379, 0.2461



40.8550, 0.2222, 0.2250



32.7957, 0.2342, 0.1908



18.5808, 0.2979, 0.3144



9.1031, 0.1686, 0.1269



1.0938, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 68.7840, 0.3992, 0.3988 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 68.7840, 0.3992, 0.3988 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 68.7840, 0.3992, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 68.7840, 0.3992, 0.3988.



This preview shows how white text looks on a background with the Yxy color 68.7840, 0.3992, 0.3988.

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

68.7840, 0.3992, 0.3988

Protanopia

68.7875, 0.3780, 0.4072

Deuteranopia

68.7048, 0.3901, 0.3849



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

68.7840, 0.3992, 0.3988

Protanomaly

68.4489, 0.3855, 0.4037

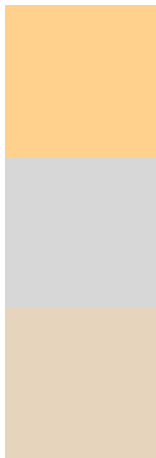
Deuteranomaly

68.5417, 0.3938, 0.3899

Tritanomaly

68.5535, 0.3649, 0.3467

Monochromacy



Original Color

68.7840, 0.3992, 0.3988

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0423, 0.3433, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7840, 0.3992, 0.3988 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 141) }
```

Border

The CSS property to change the border of an element to Yxy 68.7840, 0.3992, 0.3988 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, 141) }
```

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

```
.border{ border-color:rgb(255, 209, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
141) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 68.7840, 0.3992, 0.3988$ 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, 141) }
```

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

```
.background{ background-color: rgb(255,  
209, 141) }
```

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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