

Converting Colors

$Yxy(67.8872, 0.3787, 0.4049)$

Have a look what the booklet for
Yxy(67.8872, 0.3787, 0.4049)
contains.

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Color

Yxy(67.7689, 0.3788, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	EBD690
RGB	235, 214, 144
RGB Percent	92%, 84%, 56%
CMY	0.0782, 0.1608, 0.4353
CMYK	0.00, 0.09, 0.39, 0.08
HSL	46°, 70%, 74%
HSV	46°, 39%, 92%
XYZ	63.3536, 67.7689, 36.1256
YIQ	212.2990, 34.9860, -17.3180

Conversions

Conversions Part 2

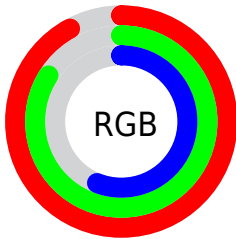
Format	Color
R _Y B	171, 235, 144
Decimal	15455888
CIE Lab	85.89, -2.42, 37.22
CIE LCh	86, 37.295, 93.720
Yxy	67.7689, 0.3788, 0.4052
Android (android.graphics.Color)	4293645968 (0xFFE6D690)
YUV	212.2990, -33.6714, 19.9088
Hunter-Lab	82.3219, -6.6926, 31.6069

Details

The Yxy color **67.7689, 0.3788, 0.4052** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.8616, 0.2454, 0.2386**, and the grayscale version is **66.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9035, 0.3460, 0.3840**, and **35.0340, 0.3944, 0.4227** is the 20% darker color. If you saturate the color by 10%, you get **64.4205, 0.3973, 0.4239**, and if you desaturate by 10%, it is **71.3651, 0.3604, 0.3854**.

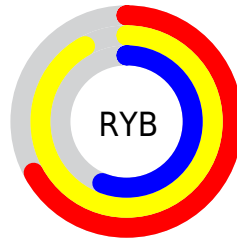
Distribution



Red (92%)

Green (84%)

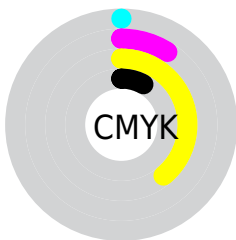
Blue (56%)



Red (67%)

Yellow (92%)

Blue (56%)

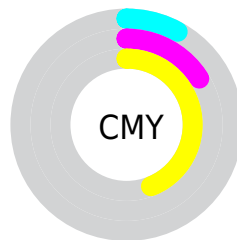


Cyan (0%)

Magenta (9%)

Yellow (39%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7689, 0.3788, 0.4052 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 67.7689, 0.3788, 0.4052 by changing the saturation by 10% instead.


 67.7689, 0.3788,
0.4052

 67.7689, 0.3788,
0.4052

452.6768, 0.3485,
0.3699

 49.7097, 0.3855,
0.4131


 116.0215, 0.3685,
0.3931

 35.1828, 0.3935,
0.4227


 146.9837, 0.3644,
0.3883

 23.8037, 0.4034,
0.4345


183.0157, 0.3608,
0.3842

 15.1881, 0.4156,
0.4493

224.5019, 0.3578,
0.3806

 8.9515, 0.4305,
0.4680

271.8268, 0.3550,
0.3774

 4.7096, 0.4512,
0.4943

325.3746, 0.3526,

 2.0779, 0.4740,

0.3746

0.5260

385.5298, 0.3505,
0.3722

0.6521, 0.4623,
0.5377

0.0000, 0.0000,
0.0000

67.7689, 0.3788,
0.4052

67.7689, 0.3788,
0.4052

64.4205, 0.3973,
0.4239

71.3651, 0.3604,
0.3854

61.3002, 0.4153,
0.4403

75.2090, 0.3428,
0.3653

58.3998, 0.4320,
0.4536

79.3126, 0.3262,
0.3456

55.7066, 0.4465,
0.4627

83.6840, 0.3109,
0.3267

■ 53.2056, 0.4582,
0.4670

■ 87.9039, 0.3006,
0.3152

■ 50.8752, 0.4669,
0.4668

■ 91.1739, 0.3006,
0.3206

■ 50.5894, 0.4680,
0.4666

■ 94.5408, 0.3006,
0.3261

■ 96.4107, 0.3006,
0.3290

Harmonies

Analogous

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



67.7689, 0.4022, 0.3788



67.7689, 0.3788, 0.4052



67.7689, 0.3384, 0.4115

Triad

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



67.7689, 0.3788, 0.4052



67.7689, 0.2323, 0.3045



67.7689, 0.3281, 0.2770

Complementary

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



67.7689, 0.3788, 0.4052



38.8616, 0.2454, 0.2386

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.



67.7689, 0.2824, 0.2587



67.7689, 0.3788, 0.4052



67.7689, 0.2300, 0.2715

Square

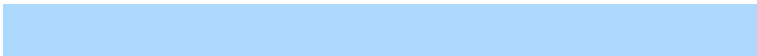
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7689, 0.3788, 0.4052



67.7689, 0.2545, 0.3493



67.7689, 0.2475, 0.2561



67.7689, 0.3724, 0.3070

Rectangle

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



67.7689, 0.3788, 0.4052



67.7689, 0.3078, 0.4006



67.7689, 0.2475, 0.2561



67.7689, 0.3123, 0.2694

Sweetspot

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



67.7720, 0.3788, 0.4052



93.7505, 0.3316, 0.3521



40.3421, 0.3862, 0.3051



19.9269, 0.3337, 0.3546



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.



67.7720, 0.3788, 0.4052



78.5006, 0.3927, 0.4193



75.2737, 0.3528, 0.4314



17.0018, 0.3274, 0.3470



28.3451, 0.4670, 0.4674



2.3691, 0.4591, 0.4737

Inverse Universe

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



38.8616, 0.2454, 0.2386



39.4473, 0.2311, 0.2175



34.3025, 0.2597, 0.2163



15.1143, 0.2980, 0.3103



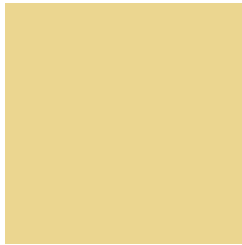
4.9855, 0.1571, 0.0854



0.5345, 0.1641, 0.1108

Previews

White Background



This preview shows how the Yxy color 67.7689, 0.3788, 0.4052 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 67.7689, 0.3788, 0.4052 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 67.7689, 0.3788, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 67.7689, 0.3788, 0.4052.

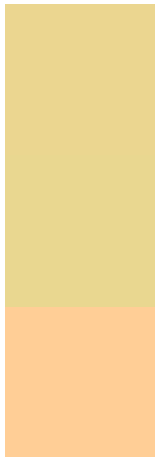


This preview shows how white text looks on a background with the Yxy color 67.7689, 0.3788, 0.4052.

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

67.7689, 0.3788, 0.4052

Protanopia

67.9381, 0.3767, 0.4067

Deuteranopia

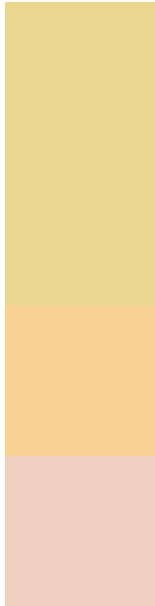
67.6046, 0.3939, 0.3870



Tritanopia

67.4077, 0.3311, 0.3123

Trichromacy



Original Color

67.7689, 0.3788, 0.4052

Protanomaly

68.1069, 0.3776, 0.4064

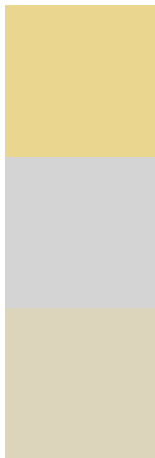
Deuteranomaly

67.6955, 0.3885, 0.3933

Tritanomaly

67.4428, 0.3492, 0.3463

Monochromacy



Original Color

67.7689, 0.3788, 0.4052

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.3920, 0.3362, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7689, 0.3788, 0.4052 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(235, 214, 144)` looks like.

```
.text, #text, p{  
    color:rgb(235, 214, 144)  
}
```

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(235, 214, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 214, 144) }
```

Border

The CSS property to change the border of an element to Yxy 67.7689, 0.3788, 0.4052 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(235, 214, 144) }
```

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

```
.border{ border-color:rgb(235, 214, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 214, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 214, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 214, 144); box-shadow:4px 4px 4px 4px rgb(235, 214, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7689, 0.3788, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 214, 144) }
```

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

```
.background{ background-color: rgb(235,  
214, 144) }
```

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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