

Converting Colors

$Yxy(66.7773, 0.3973, 0.4318)$

Have a look what the booklet for
Yxy(66.7773, 0.3973, 0.4318)
contains.

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Color

Yxy(66.5350, 0.3972, 0.4314)

Conversions

Conversions Part 1

Format	Color
Hex	EBD575
RGB	235, 213, 117
RGB Percent	92%, 84%, 46%
CMY	0.0785, 0.1647, 0.5413
CMYK	0.00, 0.09, 0.50, 0.08
HSL	49°, 75%, 69%
HSV	49°, 50%, 92%
XYZ	61.2603, 66.5350, 26.4351
YIQ	208.6340, 43.9280, -25.1920

Conversions

Conversions Part 2

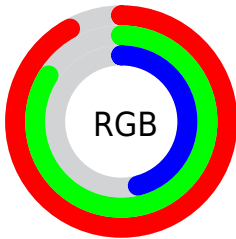
Format	Color
RYB	144, 235, 117
Decimal	15455605
CIELab	85.27, -4.60, 49.83
CIELCh	85, 50.045, 95.276
Yxy	66.5350, 0.3972, 0.4314
Android (android.graphics.Color)	4293645685 (0xFFEBD575)
YUV	208.6340, -45.1756, 23.1230
Hunter-Lab	81.5690, -8.6878, 37.8834

Details

The Yxy color **66.5350, 0.3972, 0.4314** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.2262, 0.2220, 0.1986**, and the grayscale version is **63.7870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **34.5250, 0.4142, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **63.8819, 0.4137, 0.4482**, and if you desaturate by 10%, it is **69.3924, 0.3798, 0.4122**.

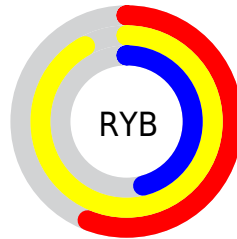
Distribution



Red (92%)

Green (84%)

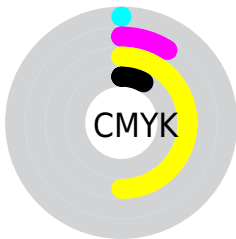
Blue (46%)



Red (56%)

Yellow (92%)

Blue (46%)

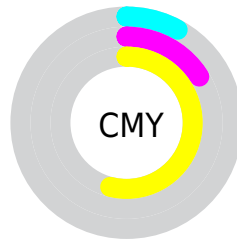


Cyan (0%)

Magenta (9%)

Yellow (50%)

Black (8%)



Cyan (8%)


Magenta (16%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5350, 0.3972, 0.4314 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 66.5350, 0.3972, 0.4314 by changing the saturation by 10% instead.


 66.5350, 0.3972,
0.4314


 66.5350, 0.3972,
0.4314


448.2878, 0.3594,
0.3845


 48.7068, 0.4051,
0.4415


 114.2539, 0.3846,
0.4155

 34.3870, 0.4143,
0.4536


 144.9133, 0.3795,
0.4092

 23.1910, 0.4251,
0.4679


 180.6187, 0.3751,
0.4037

 14.7346, 0.4372,
0.4849

221.7544, 0.3712,
0.3989

 8.6334, 0.4504,
0.5047

268.7047, 0.3677,
0.3947

 4.5028, 0.4677,
0.5323

321.8541, 0.3646,

 1.9586, 0.4613,

0.3909

0.5387

381.5870, 0.3619,
0.3875

■ 0.5833, 0.4311,
0.5689

■ 0.0000, 0.0000,
0.0000

■ 66.5350, 0.3972,
0.4314

■ 66.5350, 0.3972,
0.4314

■ 63.8819, 0.4137,
0.4482

■ 69.3924, 0.3798,
0.4122

■ 61.4127, 0.4285,
0.4615


■ 72.4547, 0.3622,
0.3916

■ 59.1179, 0.4409,
0.4706

■ 75.7341, 0.3449,
0.3705


■ 56.9827, 0.4504,
0.4749


■ 79.2391, 0.3284,
0.3496

 55.0243, 0.4572,
0.4752

 82.9775, 0.3130,
0.3294

 86.7643, 0.3006,
0.3133

 89.3605, 0.3005,
0.3177

 92.0191, 0.3005,
0.3220

 94.7406, 0.3005,
0.3264

Harmonies

Analogous

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



66.5350, 0.4316, 0.3946



66.5350, 0.3972, 0.4314



66.5350, 0.3419, 0.4418

Triad

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



66.5350, 0.3972, 0.4314



66.5350, 0.2062, 0.2914



66.5350, 0.3359, 0.2626

Complementary

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



66.5350, 0.3972, 0.4314



28.2262, 0.2220, 0.1986

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.



66.5350, 0.2744, 0.2382



66.5350, 0.3972, 0.4314



66.5350, 0.2050, 0.2500

Square

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



66.5350, 0.3972, 0.4314



66.5350, 0.2328, 0.3524



66.5350, 0.2285, 0.2329



66.5350, 0.3960, 0.3012

Rectangle

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



66.5350, 0.3972, 0.4314



66.5350, 0.3013, 0.4266



66.5350, 0.2285, 0.2329



66.5350, 0.3145, 0.2526

Sweetspot

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



66.5381, 0.3972, 0.4314



93.3174, 0.3363, 0.3596



32.2864, 0.4260, 0.3030



19.7837, 0.3398, 0.3641



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.



66.5381, 0.3972, 0.4314



76.8940, 0.4138, 0.4483



72.9113, 0.3596, 0.4631



17.1224, 0.3272, 0.3480



30.8050, 0.4565, 0.4758



2.5422, 0.4504, 0.4806

Inverse Universe

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



28.2262, 0.2220, 0.1986



26.1387, 0.2028, 0.1679



25.4259, 0.2429, 0.1797



15.0025, 0.2980, 0.3092



4.4655, 0.1549, 0.0776



0.4785, 0.1615, 0.1012

Previews

White Background



This preview shows how the Yxy color 66.5350, 0.3972, 0.4314 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 66.5350, 0.3972, 0.4314 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 66.5350, 0.3972, 0.4314

Background



This preview shows how black text looks on a background with the Yxy color 66.5350, 0.3972, 0.4314.



This preview shows how white text looks on a background with the Yxy color 66.5350, 0.3972, 0.4314.

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

66.5350, 0.3972, 0.4314

Protanopia

66.3653, 0.3964, 0.4317

Deuteranopia

66.1950, 0.4059, 0.3998



Tritanopia

66.6633, 0.3352, 0.3134

Trichromacy



Original Color

66.5350, 0.3972, 0.4314

Protanomaly

66.3653, 0.3964, 0.4317

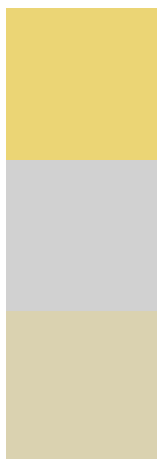
Deuteranomaly

66.1406, 0.4037, 0.4113

Tritanomaly

66.1796, 0.3588, 0.3561

Monochromacy



Original Color

66.5350, 0.3972, 0.4314

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.1332, 0.3432, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5350, 0.3972, 0.4314 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, 213, 117)` looks like.

```
.text, #text, p{  
    color:rgb(235, 213, 117)  
}
```

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, 213, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 213, 117) }
```

Border

The CSS property to change the border of an element to Yxy 66.5350, 0.3972, 0.4314 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, 213, 117) }
```

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

```
.border{ border-color:rgb(235, 213, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 213, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 213, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 213, 117);  
box-shadow:4px 4px 4px 4px rgb(235, 213,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5350, 0.3972, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 213, 117) }
```

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

```
.background{ background-color: rgb(235,  
213, 117) }
```

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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