

Converting Colors

$Y_{xy}(70.7383, 0.3669, 0.3878)$

Have a look what the booklet for
Yxy(70.7383, 0.3669, 0.3878)
contains.

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Color

Yxy(70.4472, 0.3667, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	EED9A3
RGB	238, 217, 163
RGB Percent	93%, 85%, 64%
CMY	0.0666, 0.1490, 0.3609
CMYK	0.00, 0.09, 0.32, 0.07
HSL	43°, 69%, 79%
HSV	43°, 32%, 93%
XYZ	66.6830, 70.4472, 44.7160
YIQ	217.1230, 29.8500, -12.3420

Conversions

Conversions Part 2

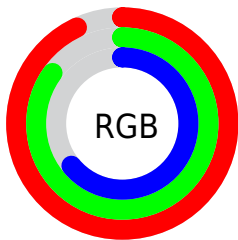
Format	Color
RYB	192, 238, 163
Decimal	15653283
CIELab	87.22, -0.61, 29.30
CIELCh	87, 29.303, 91.192
Yxy	70.4472, 0.3667, 0.3874
Android (android.graphics.Color)	4293843363 (0xFFEED9A3)
YUV	217.1230, -26.6826, 18.3091
Hunter-Lab	83.9328, -5.0677, 27.1657

Details

The Yxy color **70.4472, 0.3667, 0.3874** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.2237, 0.2596, 0.2627**, and the grayscale version is **69.6485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **36.8121, 0.3789, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **66.3111, 0.3861, 0.4060**, and if you desaturate by 10%, it is **74.8889, 0.3482, 0.3684**.

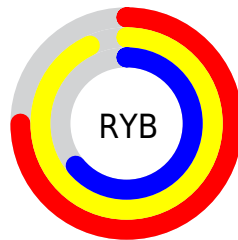
Distribution



Red (93%)

Green (85%)

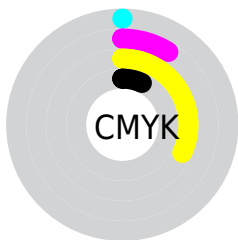
Blue (64%)



Red (75%)

Yellow (93%)

Blue (64%)

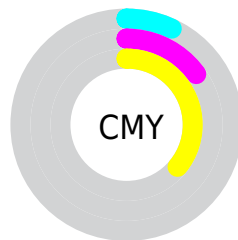


Cyan (0%)

Magenta (9%)

Yellow (32%)

Black (7%)



Cyan (7%)


Magenta (15%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4472, 0.3667, 0.3874 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 70.4472, 0.3667, 0.3874 by changing the saturation by 10% instead.


 70.4472, 0.3667,
0.3874

 70.4472, 0.3667,
0.3874


462.1186, 0.3418,
0.3604

 51.8912, 0.3723,
0.3935


 119.8463, 0.3581,
0.3781

 36.9184, 0.3791,
0.4009


 151.4581, 0.3548,
0.3745

 25.1443, 0.3876,
0.4102


188.1907, 0.3519,
0.3713

 16.1846, 0.3984,
0.4220

230.4285, 0.3494,
0.3686

 9.6549, 0.4124,
0.4374

278.5557, 0.3471,
0.3662

 5.1707, 0.4308,
0.4578

332.9569, 0.3452,

 2.3478, 0.4813,

0.3640

0.5129

394.0164, 0.3434,
0.3621

0.7988, 0.4824,
0.5176

0.0000, 0.0000,
0.0000

70.4472, 0.3667,
0.3874

70.4472, 0.3667,
0.3874

66.3111, 0.3861,
0.4060

74.8889, 0.3482,
0.3684

62.4602, 0.4058,
0.4232

79.6365, 0.3309,
0.3497

58.8864, 0.4252,
0.4381

84.7024, 0.3150,
0.3317

55.5767, 0.4432,
0.4495

89.8898, 0.3024,
0.3177

■ 52.5167, 0.4589,
0.4565

■ 93.9636, 0.3024,
0.3244

■ 49.6894, 0.4717,
0.4585

■ 96.9186, 0.3023,
0.3290

■ 47.4546, 0.4803,
0.4568

Harmonies

Analogous

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



70.4472, 0.3829, 0.3668



70.4472, 0.3667, 0.3874



70.4472, 0.3363, 0.3926

Triad

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



70.4472, 0.3667, 0.3874



70.4472, 0.2503, 0.3134



70.4472, 0.3219, 0.2862

Complementary

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



70.4472, 0.3667, 0.3874



48.2237, 0.2596, 0.2627

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.



70.4472, 0.2866, 0.2726



70.4472, 0.3667, 0.3874



70.4472, 0.2469, 0.2862

Square

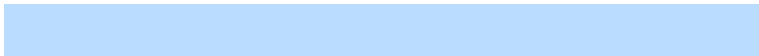
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.4472, 0.3667, 0.3874



70.4472, 0.2695, 0.3478



70.4472, 0.2597, 0.2722



70.4472, 0.3565, 0.3097

Rectangle

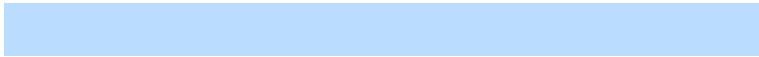
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.4472, 0.3667, 0.3874



70.4472, 0.3125, 0.3851



70.4472, 0.2597, 0.2722



70.4472, 0.3097, 0.2804

Sweetspot

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



70.4504, 0.3667, 0.3874



94.5792, 0.3268, 0.3451



47.8307, 0.3643, 0.3055



20.0625, 0.3292, 0.3478



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.



70.4504, 0.3667, 0.3874



79.1532, 0.3795, 0.3998



79.2870, 0.3485, 0.4110



17.6676, 0.3275, 0.3459



26.7021, 0.4792, 0.4577



2.3883, 0.4695, 0.4655

Inverse Universe

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



48.2237, 0.2596, 0.2627



49.2891, 0.2474, 0.2460



41.9659, 0.2685, 0.2389



15.9489, 0.2980, 0.3115



5.8453, 0.1598, 0.0952



0.6483, 0.1668, 0.1206

Previews

White Background



This preview shows how the Yxy color 70.4472, 0.3667, 0.3874 looks on a white background.

Color Contrast Check

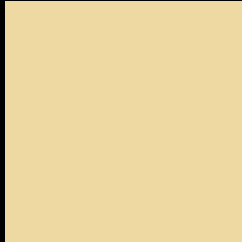
Large Text (above 18pt) WCAG AA × Fail

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 70.4472, 0.3667, 0.3874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

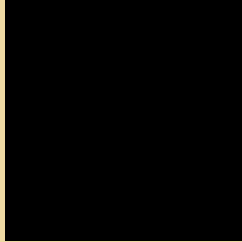
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4472, 0.3667, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 70.4472, 0.3667, 0.3874.



This preview shows how white text looks on a background with the Yxy color 70.4472, 0.3667, 0.3874.

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

70.4472, 0.3667, 0.3874

Protanopia

70.3156, 0.3625, 0.3879

Deuteranopia

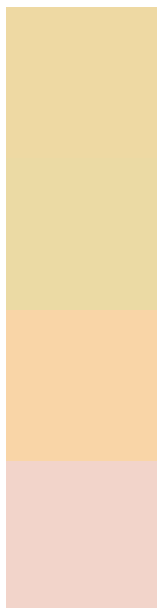
70.2178, 0.3781, 0.3715



Tritanopia

70.4496, 0.3285, 0.3125

Trichromacy



Original Color

70.4472, 0.3667, 0.3874

Protanomaly

70.4853, 0.3633, 0.3878

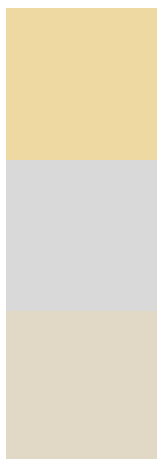
Deuteranomaly

70.5183, 0.3738, 0.3774

Tritanomaly

70.2285, 0.3425, 0.3397

Monochromacy



Original Color

70.4472, 0.3667, 0.3874

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.6645, 0.3324, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4472, 0.3667, 0.3874 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(238, 217, 163)` looks like.

```
.text, #text, p{  
    color:rgb(238, 217, 163)  
}
```

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(238, 217, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 217, 163) }
```

Border

The CSS property to change the border of an element to Yxy 70.4472, 0.3667, 0.3874 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(238, 217, 163) }
```

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

```
.border{ border-color:rgb(238, 217, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 217, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 217, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 217, 163);  
box-shadow:4px 4px 4px 4px rgb(238, 217,  
163) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.4472, 0.3667, 0.3874$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 217, 163) }
```

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

```
.background{ background-color: rgb(238,  
217, 163) }
```

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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