

Converting Colors

$Yxy(68.6550, 0.3777, 0.4194)$

Have a look what the booklet for
Yxy(68.6550, 0.3777, 0.4194)
contains.

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Color

Yxy(68.5784, 0.3777, 0.4190)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E5DA88 |
| RGB | 229, 218, 136 |
| RGB Percent | 90%, 85%, 53% |
| CMY | 0.1021, 0.1450, 0.4666 |
| CMYK | 0.00, 0.05, 0.41, 0.10 |
| HSL | 53°, 64%, 72% |
| HSV | 53°, 41%, 90% |
| XYZ | 61.8188, 68.5784, 33.2744 |
| YIQ | 211.9410, 32.8780, -23.1700 |

Conversions

Conversions Part 2

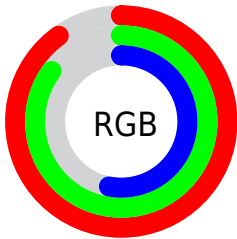
| Format | Color |
|-------------------------------------|---|
| RYB | 148, 229, 136 |
| Decimal | 15063688 |
| CIELab | 86.29, -7.72, 41.66 |
| CIELCh | 86, 42.365, 100.496 |
| Yxy | 68.5784, 0.3777, 0.4190 |
| Android (android.graphics.Color) | 4293253768 (0xFFE5DA88) |
| YUV | 211.9410, -37.4389, 14.9607 |
| Hunter-Lab | 82.8121, -11.6719, 34.1453 |

Details

The Yxy color **68.5784, 0.3777, 0.4190** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.7414, 0.2397, 0.2191**, and the grayscale version is **66.0331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **35.6051, 0.3920, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **66.6122, 0.3935, 0.4392**, and if you desaturate by 10%, it is **70.7126, 0.3613, 0.3971**.

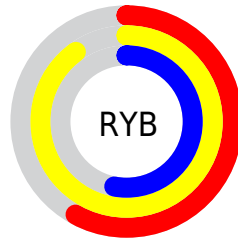
Distribution



Red (90%)

Green (85%)

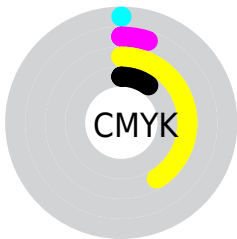
Blue (53%)



Red (58%)

Yellow (90%)

Blue (53%)

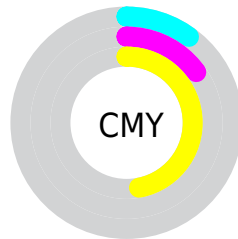


Cyan (0%)

Magenta (5%)

Yellow (41%)

Black (10%)



Cyan (10%)


Magenta (15%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5784, 0.3777, 0.4190 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 68.5784, 0.3777, 0.4190 by changing the saturation by 10% instead.


 68.5784, 0.3777,
0.4190


 68.5784, 0.3777,
0.4190

455.5426, 0.3485,
0.3771


 50.3684, 0.3839,
0.4284


 117.1792, 0.3679,
0.4045

 35.7062, 0.3913,
0.4398


 148.3388, 0.3639,
0.3989

 24.2074, 0.4002,
0.4539


 184.5838, 0.3605,
0.3940

 15.4875, 0.4107,
0.4716

226.2985, 0.3575,
0.3897

 9.1623, 0.4226,
0.4937

273.8673, 0.3549,
0.3860

 4.8472, 0.4422,
0.5297

327.6747, 0.3525,

 2.1579, 0.4448,

0.3827

0.5552

388.1050, 0.3504,
0.3797

0.6969, 0.4048,
0.5952

0.0000, 0.0000,
0.0000

68.5784, 0.3777,
0.4190

68.5784, 0.3777,
0.4190

66.6122, 0.3935,
0.4392

70.7126, 0.3613,
0.3971

64.7956, 0.4079,
0.4569


73.0137, 0.3448,
0.3746


63.1217, 0.4204,
0.4709

75.4925, 0.3288,
0.3521

61.5789, 0.4303,
0.4806

78.1560, 0.3136,
0.3303


 60.1534, 0.4375,
0.4859


 81.0109, 0.2994,
0.3095

 58.8983, 0.4420,
0.4873

 82.8222, 0.2967,
0.3079

 84.3697, 0.2967,
0.3106

 85.9406, 0.2968,
0.3134

 87.5351, 0.2968,
0.3161

Harmonies

Analogous

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



68.5784, 0.4099, 0.3923



68.5784, 0.3777, 0.4190



68.5784, 0.3295, 0.4205

Triad

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



68.5784, 0.3777, 0.4190



68.5784, 0.2201, 0.2908



68.5784, 0.3420, 0.2774

Complementary

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



68.5784, 0.3777, 0.4190



31.7414, 0.2397, 0.2191

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.



68.5784, 0.2892, 0.2538



68.5784, 0.3777, 0.4190



68.5784, 0.2227, 0.2584

Square

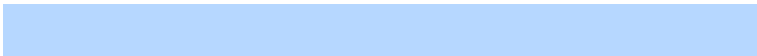
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5784, 0.3777, 0.4190



68.5784, 0.2397, 0.3397



68.5784, 0.2467, 0.2464



68.5784, 0.3896, 0.3127

Rectangle

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



68.5784, 0.3777, 0.4190



68.5784, 0.2952, 0.4036



68.5784, 0.2467, 0.2464



68.5784, 0.3240, 0.2679

Sweetspot

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



68.5815, 0.3777, 0.4190



95.9075, 0.3311, 0.3554



36.4132, 0.4019, 0.3148



20.4373, 0.3332, 0.3583



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.



68.5815, 0.3777, 0.4190



85.3676, 0.3915, 0.4367



69.3784, 0.3474, 0.4388



16.5123, 0.3270, 0.3495



33.8057, 0.4416, 0.4876



2.5805, 0.4379, 0.4905

Inverse Universe

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



31.7414, 0.2397, 0.2191



32.1455, 0.2219, 0.1910



31.8223, 0.2644, 0.2128



14.1589, 0.2980, 0.3076



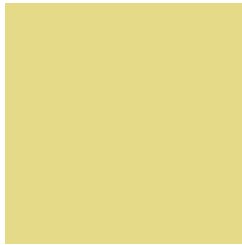
3.7710, 0.1525, 0.0688



0.3693, 0.1578, 0.0879

Previews

White Background



This preview shows how the Yxy color 68.5784, 0.3777, 0.4190 looks on a white background.

Color Contrast Check

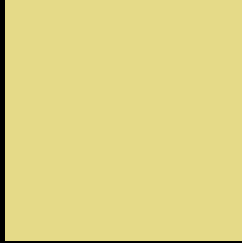
Large Text (above 18pt) WCAG AA × Fail

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 68.5784, 0.3777, 0.4190 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 68.5784, 0.3777, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 68.5784, 0.3777, 0.4190.



This preview shows how white text looks on a background with the Yxy color 68.5784, 0.3777, 0.4190.

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

68.5784, 0.3777, 0.4190

Protanopia

68.5232, 0.3841, 0.4165

Deuteranopia

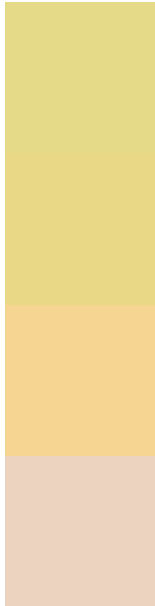
68.6061, 0.3923, 0.3879



Tritanopia

68.3582, 0.3249, 0.3112

Trichromacy



Original Color

68.5784, 0.3777, 0.4190

Protanomaly

68.6986, 0.3820, 0.4180

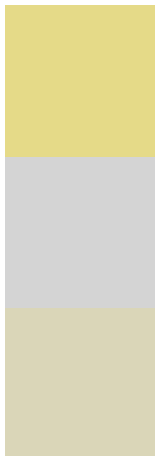
Deuteranomaly

68.7551, 0.3870, 0.3987

Tritanomaly

68.0565, 0.3447, 0.3497

Monochromacy



Original Color

68.5784, 0.3777, 0.4190

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.4593, 0.3367, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5784, 0.3777, 0.4190 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(229, 218, 136)` looks like.

```
.text, #text, p{  
    color:rgb(229, 218, 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(229, 218, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 218, 136) }
```

Border

The CSS property to change the border of an element to Yxy 68.5784, 0.3777, 0.4190 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(229, 218, 136) }
```

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

```
.border{ border-color:rgb(229, 218, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 218, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 218, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 218, 136);  
box-shadow:4px 4px 4px 4px rgb(229, 218,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5784, 0.3777, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 218, 136) }
```

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

```
.background{ background-color: rgb(229,  
218, 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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