

Converting Colors

$Yxy(68.9700, 0.3673, 0.3952)$

Have a look what the booklet for
Yxy(68.9700, 0.3673, 0.3952)
contains.

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Color

Yxy(68.6678, 0.3672, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	E8D89C
RGB	232, 216, 156
RGB Percent	91%, 85%, 61%
CMY	0.0902, 0.1529, 0.3882
CMYK	0.00, 0.07, 0.33, 0.09
HSL	47°, 62%, 76%
HSV	47°, 33%, 91%
XYZ	63.8350, 68.6678, 41.3398
YIQ	213.9440, 28.7960, -15.2680

Conversions

Conversions Part 2

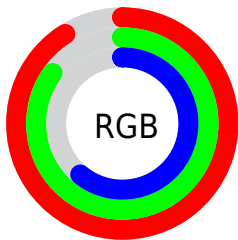
Format	Color
RYB	176, 232, 156
Decimal	15259804
CIELab	86.34, -3.25, 31.63
CIELCh	86, 31.792, 95.866
Yxy	68.6678, 0.3672, 0.3950
Android (android.graphics.Color)	4293449884 (0xFFE8D89C)
YUV	213.9440, -28.5664, 15.8351
Hunter-Lab	82.8660, -7.5100, 28.4280

Details

The Yxy color **68.6678, 0.3672, 0.3950** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3953, 0.2566, 0.2528**, and the grayscale version is **67.3883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **35.6032, 0.3795, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **65.4939, 0.3853, 0.4149**, and if you desaturate by 10%, it is **72.0725, 0.3495, 0.3745**.

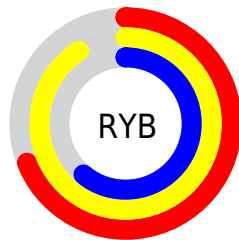
Distribution



Red (91%)

Green (85%)

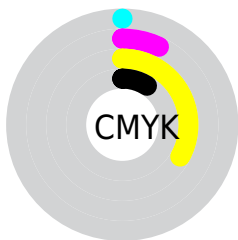
Blue (61%)



Red (69%)

Yellow (91%)

Blue (61%)

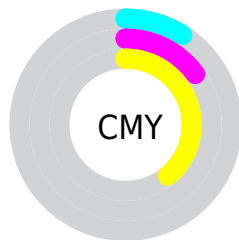


Cyan (0%)

Magenta (7%)

Yellow (33%)

Black (9%)



Cyan (9%)


Magenta (15%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6678, 0.3672, 0.3950 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 68.6678, 0.3672, 0.3950 by changing the saturation by 10% instead.


 68.6678, 0.3672,
0.3950


 68.6678, 0.3672,
0.3950


455.8584, 0.3421,
0.3642

 50.4412, 0.3728,
0.4020


 117.3070, 0.3586,
0.3843

 35.7641, 0.3796,
0.4105


 148.4883, 0.3552,
0.3802

 24.2521, 0.3880,
0.4212

184.7568, 0.3523,
0.3766

 15.5207, 0.3986,
0.4349

226.4966, 0.3498,
0.3735

 9.1856, 0.4121,
0.4528

274.0923, 0.3475,
0.3708

 4.8625, 0.4291,
0.4765

327.9283, 0.3455,

 2.1668, 0.4696,

0.3683

0.5304

388.3889, 0.3437,
0.3662

0.7018, 0.4558,
0.5442

0.0000, 0.0000,
0.0000

68.6678, 0.3672,
0.3950

68.6678, 0.3672,
0.3950

65.4939, 0.3853,
0.4149

72.0725, 0.3495,
0.3745

62.5320, 0.4031,
0.4331

75.7069, 0.3326,
0.3541

59.7753, 0.4200,
0.4488

79.5823, 0.3169,
0.3343

57.2125, 0.4351,
0.4608

83.7062, 0.3023,
0.3155

■ 54.8308, 0.4477,
0.4683

■ 86.9419, 0.2987,
0.3143

■ 52.6147, 0.4574,
0.4711

■ 89.8619, 0.2987,
0.3193

■ 51.0965, 0.4629,
0.4707

■ 92.8599, 0.2987,
0.3242

■ 95.8959, 0.2987,
0.3290

Harmonies

Analogous

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



68.6678, 0.3881, 0.3742



68.6678, 0.3672, 0.3950



68.6678, 0.3323, 0.3979

Triad

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



68.6678, 0.3672, 0.3950



68.6678, 0.2430, 0.3063



68.6678, 0.3289, 0.2859

Complementary

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



68.6678, 0.3672, 0.3950



42.3953, 0.2566, 0.2528

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.



68.6678, 0.2897, 0.2692



68.6678, 0.3672, 0.3950



68.6678, 0.2422, 0.2787

Square

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



68.6678, 0.3672, 0.3950



68.6678, 0.2612, 0.3436



68.6678, 0.2586, 0.2662



68.6678, 0.3656, 0.3125

Rectangle

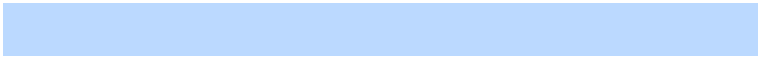
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6678, 0.3672, 0.3950



68.6678, 0.3062, 0.3874



68.6678, 0.2586, 0.2662



68.6678, 0.3155, 0.2790

Sweetspot

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



68.6709, 0.3672, 0.3950



95.0890, 0.3282, 0.3486



43.9280, 0.3720, 0.3103



20.2105, 0.3305, 0.3515



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.



68.6709, 0.3672, 0.3950



82.5316, 0.3788, 0.4079



73.8837, 0.3460, 0.4153



16.2752, 0.3273, 0.3474



28.5553, 0.4620, 0.4713



2.2395, 0.4546, 0.4773

Inverse Universe

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



42.3953, 0.2566, 0.2528



45.4816, 0.2442, 0.2348



39.0115, 0.2706, 0.2361



14.3762, 0.2980, 0.3099



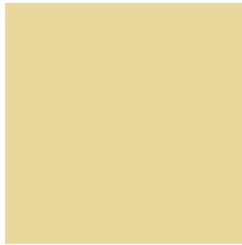
4.5929, 0.1561, 0.0818



0.4723, 0.1634, 0.1080

Previews

White Background



This preview shows how the Yxy color 68.6678, 0.3672, 0.3950 looks on a white background.

Color Contrast Check

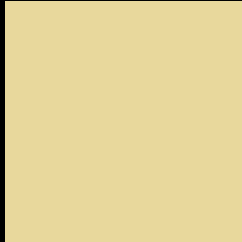
Large Text (above 18pt) WCAG AA × Fail

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 68.6678, 0.3672, 0.3950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

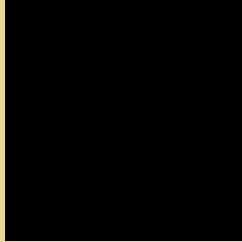
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6678, 0.3672, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 68.6678, 0.3672, 0.3950.

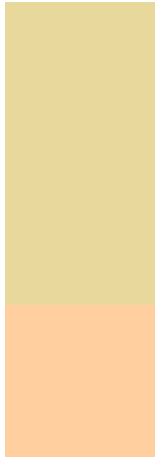


This preview shows how white text looks on a background with the Yxy color 68.6678, 0.3672, 0.3950.

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

68.6678, 0.3672, 0.3950

Protanopia

68.6678, 0.3672, 0.3950

Deuteranopia

68.3889, 0.3867, 0.3788



Tritanopia

68.4786, 0.3263, 0.3123

Trichromacy



Original Color

68.6678, 0.3672, 0.3950

Protanomaly

68.6678, 0.3672, 0.3950

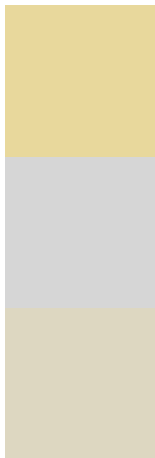
Deuteranomaly

68.3360, 0.3799, 0.3842

Tritanomaly

68.2212, 0.3412, 0.3409

Monochromacy



Original Color

68.6678, 0.3672, 0.3950

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.8233, 0.3324, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6678, 0.3672, 0.3950 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(232, 216, 156)` looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 156)  
}
```

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(232, 216, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 156) }
```

Border

The CSS property to change the border of an element to Yxy 68.6678, 0.3672, 0.3950 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(232, 216, 156) }
```

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

```
.border{ border-color:rgb(232, 216, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 156);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6678, 0.3672, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 156) }
```

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

```
.background{ background-color: rgb(232,  
216, 156) }
```

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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