

Converting Colors

Yxy(68.1149, 0.3480, 0.3708)

Have a look what the booklet for
Yxy(68.1149, 0.3480, 0.3708)
contains.

Yxy(68.1461, 0.3478, 0.3702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.1461, 0.3478, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	E3D7B2
RGB	227, 215, 178
RGB Percent	89%, 84%, 70%
CMY	0.1097, 0.1569, 0.3019
CMYK	0.00, 0.05, 0.22, 0.11
HSL	45°, 47%, 79%
HSV	45°, 22%, 89%
XYZ	64.0227, 68.1461, 51.9103
YIQ	214.3700, 19.0290, -8.9630

Conversions

Conversions Part 2

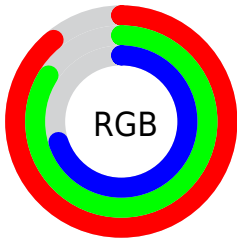
Format	Color
R _Y B	194, 227, 178
Decimal	14931890
CIE Lab	86.08, -1.70, 19.76
CIE LCh	86, 19.831, 94.919
Yxy	68.1461, 0.3478, 0.3702
Android (android.graphics.Color)	4293121970 (0xFFE3D7B2)
YUV	214.3700, -17.9304, 11.0765
Hunter-Lab	82.5507, -6.0267, 20.5021

Details

The Yxy color **68.1461, 0.3478, 0.3702** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.8660, 0.2775, 0.2841**, and the grayscale version is **67.6257, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **35.2802, 0.3563, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **64.5207, 0.3658, 0.3899**, and if you desaturate by 10%, it is **72.0252, 0.3308, 0.3507**.

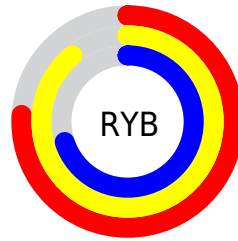
Distribution



Red (89%)

Green (84%)

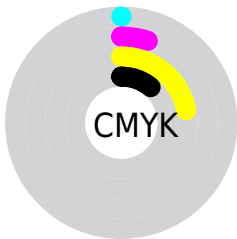
Blue (70%)



Red (76%)

Yellow (89%)

Blue (70%)

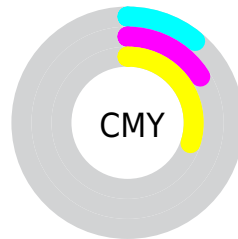


Cyan (0%)

Magenta (5%)

Yellow (22%)

Black (11%)



Cyan (11%)


Magenta (16%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.1461, 0.3478, 0.3702 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 68.1461, 0.3478, 0.3702 by changing the saturation by 10% instead.

 68.1461, 0.3478,
0.3702

 68.1461, 0.3478,
0.3702


454.0135, 0.3315,
0.3509

 50.0166, 0.3515,
0.3747


 116.5611, 0.3421,
0.3635

 35.4266, 0.3562,
0.3802


147.6154, 0.3399,
0.3608

 23.9917, 0.3620,
0.3872


183.7468, 0.3380,
0.3586

 15.3274, 0.3696,
0.3964

225.3397, 0.3364,
0.3567

 9.0495, 0.3799,
0.4089

272.7784, 0.3349,
0.3549

 4.7735, 0.3943,
0.4267

326.4473, 0.3336,

 2.1150, 0.4203,

0.3534

0.4589

386.7309, 0.3325,
0.3521

0.6730, 0.4706,
0.5294

0.0000, 0.0000,
0.0000

68.1461, 0.3478,
0.3702

68.1461, 0.3478,
0.3702

64.5207, 0.3658,
0.3899

72.0252, 0.3308,
0.3507

61.1316, 0.3845,
0.4092

76.1568, 0.3151,
0.3319

57.9727, 0.4033,
0.4270

80.5513, 0.3007,
0.3141

55.0343, 0.4215,
0.4425

84.2923, 0.2955,
0.3110

■ 52.3055, 0.4381,
0.4545

■ 87.5756, 0.2956,
0.3167

■ 49.7739, 0.4524,
0.4621

■ 90.9601, 0.2957,
0.3224

■ 47.4248, 0.4638,
0.4648

■ 94.4468, 0.2958,
0.3280

■ 45.5699, 0.4714,
0.4639

■ 95.0752, 0.2958,
0.3290

Harmonies

Analogous

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



68.1461, 0.3600, 0.3579



68.1461, 0.3478, 0.3702



68.1461, 0.3263, 0.3714

Triad

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



68.1461, 0.3478, 0.3702



68.1461, 0.2685, 0.3162



68.1461, 0.3224, 0.3008

Complementary

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



68.1461, 0.3478, 0.3702



51.8660, 0.2775, 0.2841

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.



68.1461, 0.2978, 0.2902



68.1461, 0.3478, 0.3702



68.1461, 0.2674, 0.2981

Square

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



68.1461, 0.3478, 0.3702



68.1461, 0.2808, 0.3391



68.1461, 0.2779, 0.2890



68.1461, 0.3451, 0.3183

Rectangle

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



68.1461, 0.3478, 0.3702



68.1461, 0.3099, 0.3650



68.1461, 0.2779, 0.2890



68.1461, 0.3140, 0.2964

Sweetspot

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



68.1492, 0.3478, 0.3702



96.6801, 0.3219, 0.3402



51.9153, 0.3456, 0.3151



20.6178, 0.3230, 0.3414



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.



68.1492, 0.3478, 0.3702



86.4916, 0.3560, 0.3793



72.5811, 0.3361, 0.3843



16.1862, 0.3274, 0.3466



26.7617, 0.4704, 0.4647



2.1208, 0.4614, 0.4719

Inverse Universe

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



51.8660, 0.2775, 0.2841



61.6525, 0.2693, 0.2731



48.3804, 0.2858, 0.2706



14.4590, 0.2980, 0.3107



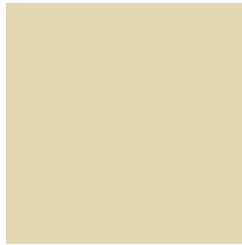
5.0228, 0.1579, 0.0883



0.5148, 0.1655, 0.1159

Previews

White Background



This preview shows how the Yxy color 68.1461, 0.3478, 0.3702 looks on a white background.

Color Contrast Check

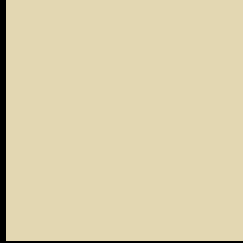
Large Text (above 18pt) WCAG AA × Fail

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 68.1461, 0.3478, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

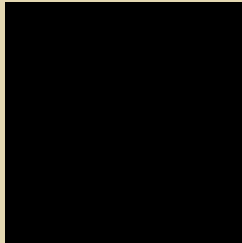
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

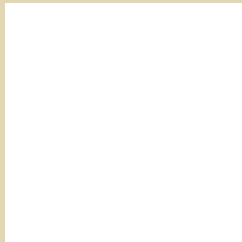
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1461, 0.3478, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 68.1461, 0.3478, 0.3702.

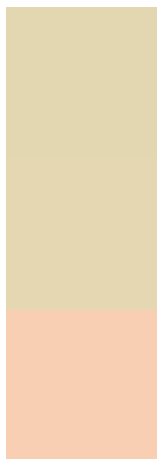


This preview shows how white text looks on a background with the Yxy color 68.1461, 0.3478, 0.3702.

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

68.1461, 0.3478, 0.3702

Protanopia

68.3092, 0.3486, 0.3701

Deuteranopia

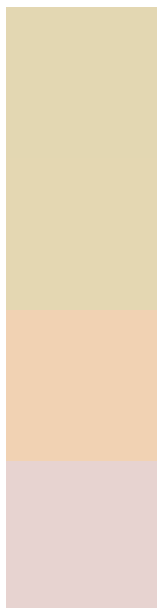
68.0607, 0.3658, 0.3576



Tritanopia

67.8716, 0.3195, 0.3109

Trichromacy



Original Color

68.1461, 0.3478, 0.3702

Protanomaly

68.3092, 0.3486, 0.3701

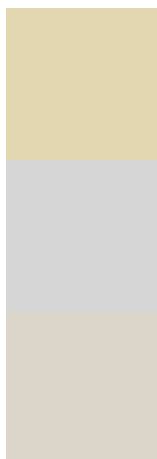
Deuteranomaly

68.0486, 0.3593, 0.3625

Tritanomaly

68.1315, 0.3299, 0.3323

Monochromacy



Original Color

68.1461, 0.3478, 0.3702

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3702, 0.3254, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1461, 0.3478, 0.3702 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(227, 215, 178)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 178)  
}
```

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(227, 215, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 178) }
```

Border

The CSS property to change the border of an element to Yxy 68.1461, 0.3478, 0.3702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

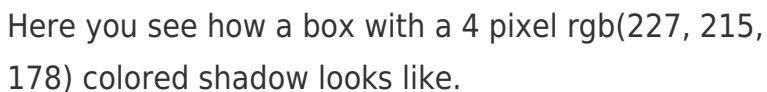
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 215, 178) }
```

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

```
.border{ border-color:rgb(227, 215, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 215, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 215, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 215, 178); box-shadow:4px 4px 4px 4px rgb(227, 215, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1461, 0.3478, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 178) }
```

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

```
.background{ background-color: rgb(227,  
215, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor