

Converting Colors

$Y_{xy}(71.2162, 0.3585, 0.3916)$

Have a look what the booklet for
Yxy(71.2162, 0.3585, 0.3916)
contains.

Yxy(71.2162, 0.3585, 0.3916)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.2162, 0.3585, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	E6DDA4
RGB	230, 221, 164
RGB Percent	90%, 87%, 64%
CMY	0.0980, 0.1333, 0.3567
CMYK	0.00, 0.04, 0.29, 0.10
HSL	52°, 57%, 77%
HSV	52°, 29%, 90%
XYZ	65.1966, 71.2162, 45.4467
YIQ	217.1930, 23.6610, -15.8190

Conversions

Conversions Part 2

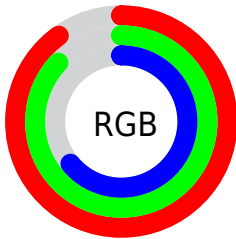
Format	Color
RYB	174, 230, 164
Decimal	15130020
CIELab	87.59, -5.55, 29.14
CIElCh	88, 29.660, 100.782
Yxy	71.2162, 0.3585, 0.3916
Android (android.graphics.Color)	4293320100 (0xFFE6DDA4)
YUV	217.1930, -26.2241, 11.2317
Hunter-Lab	84.3897, -9.7788, 27.1431

Details

The Yxy color **71.2162, 0.3585, 0.3916** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.5173, 0.2636, 0.2575**, and the grayscale version is **69.7032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **37.4410, 0.3689, 0.4060** is the 20% darker color. If you saturate the color by 10%, you get **68.8173, 0.3753, 0.4133**, and if you desaturate by 10%, it is **73.8030, 0.3419, 0.3694**.

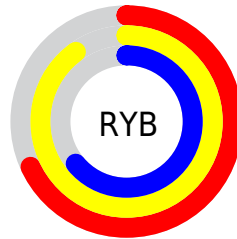
Distribution



Red (90%)

Green (87%)

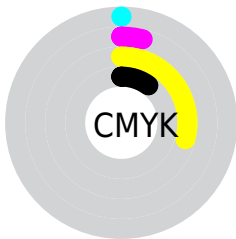
Blue (64%)



Red (68%)

Yellow (90%)

Blue (64%)

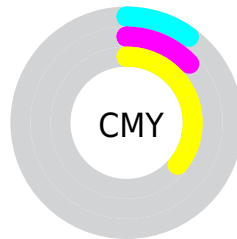


Cyan (0%)

Magenta (4%)

Yellow (29%)

Black (10%)



Cyan (10%)


Magenta (13%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2162, 0.3585, 0.3916 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 71.2162, 0.3585, 0.3916 by changing the saturation by 10% instead.


 71.2162, 0.3585,
0.3916


 71.2162, 0.3585,
0.3916


464.8089, 0.3376,
0.3624

 52.5187, 0.3631,
0.3983

 120.9415, 0.3513,
0.3815

 37.4186, 0.3688,
0.4065


 152.7381, 0.3485,
0.3775

 25.5318, 0.3757,
0.4168


189.6698, 0.3461,
0.3741

 16.4737, 0.3845,
0.4301

232.1210, 0.3440,
0.3712

 9.8600, 0.3957,
0.4478

280.4761, 0.3421,
0.3686

 5.3062, 0.4100,
0.4720

335.1195, 0.3404,

 2.4280, 0.4497,

0.3663

0.5320

396.4356, 0.3389,
0.3642

0.8403, 0.4411,
0.5589

0.0000, 0.0000,
0.0000

71.2162, 0.3585,
0.3916

71.2162, 0.3585,
0.3916

68.8173, 0.3753,
0.4133

73.8030, 0.3419,
0.3694

66.5882, 0.3916,
0.4336

76.5756, 0.3259,
0.3475

64.5233, 0.4069,
0.4516

79.5444, 0.3108,
0.3263

62.6124, 0.4204,
0.4661

82.6490, 0.2974,
0.3073

■ 60.8441, 0.4315,
0.4765

■ 84.4508, 0.2974,
0.3105

■ 59.2051, 0.4398,
0.4823

■ 86.2844, 0.2974,
0.3137

■ 57.6754, 0.4454,
0.4840

■ 88.1502, 0.2975,
0.3169

■ 57.4790, 0.4460,
0.4840

■ 90.0481, 0.2975,
0.3201

■ 91.9784, 0.2975,
0.3233

Harmonies

Analogous

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



71.2162, 0.3803, 0.3750



71.2162, 0.3585, 0.3916



71.2162, 0.3251, 0.3907

Triad

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



71.2162, 0.3585, 0.3916



71.2162, 0.2469, 0.3033



71.2162, 0.3337, 0.2926

Complementary

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



71.2162, 0.3585, 0.3916



43.5173, 0.2636, 0.2575

Split Complementary

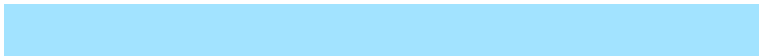
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2162, 0.2972, 0.2753



71.2162, 0.3585, 0.3916



71.2162, 0.2488, 0.2797

Square

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



71.2162, 0.3585, 0.3916



71.2162, 0.2614, 0.3367



71.2162, 0.2666, 0.2703



71.2162, 0.3660, 0.3185

Rectangle

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



71.2162, 0.3585, 0.3916



71.2162, 0.3010, 0.3789



71.2162, 0.2666, 0.2703



71.2162, 0.3215, 0.2856

Sweetspot

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



71.2194, 0.3585, 0.3916



96.6240, 0.3265, 0.3482



46.4420, 0.3664, 0.3178



20.5688, 0.3288, 0.3514



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.



71.2194, 0.3585, 0.3916



88.2893, 0.3677, 0.4037



72.5389, 0.3388, 0.4048



16.4635, 0.3271, 0.3491



32.6694, 0.4456, 0.4844



2.5074, 0.4412, 0.4879

Inverse Universe

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



43.5173, 0.2636, 0.2575



48.2809, 0.2529, 0.2412



42.8579, 0.2803, 0.2498



14.2032, 0.2980, 0.3081



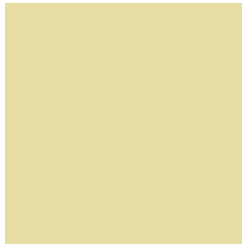
3.9042, 0.1531, 0.0710



0.3903, 0.1589, 0.0922

Previews

White Background



This preview shows how the Yxy color 71.2162, 0.3585, 0.3916 looks on a white background.

Color Contrast Check

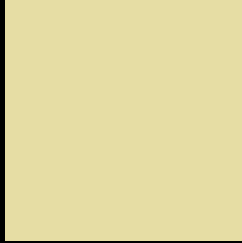
Large Text (above 18pt) WCAG AA × Fail

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 71.2162, 0.3585, 0.3916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

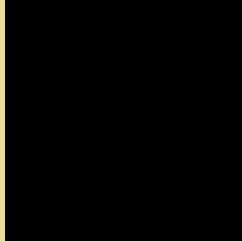
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

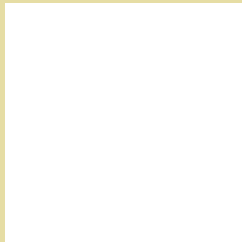
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.2162, 0.3585, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 71.2162, 0.3585, 0.3916.



This preview shows how white text looks on a background with the Yxy color 71.2162, 0.3585, 0.3916.

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

71.2162, 0.3585, 0.3916

Protanopia

70.9695, 0.3637, 0.3899

Deuteranopia

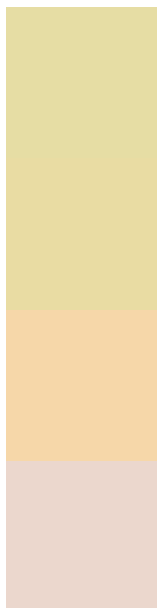
70.8271, 0.3755, 0.3694



Tritanopia

70.9213, 0.3202, 0.3113

Trichromacy



Original Color

71.2162, 0.3585, 0.3916

Protanomaly

71.1544, 0.3618, 0.3912

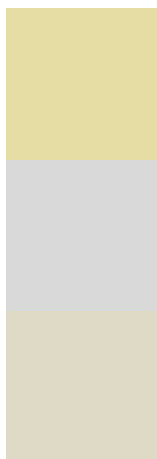
Deuteranomaly

71.0583, 0.3693, 0.3777

Tritanomaly

70.6708, 0.3346, 0.3398

Monochromacy



Original Color

71.2162, 0.3585, 0.3916

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.7496, 0.3293, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2162, 0.3585, 0.3916 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(230, 221, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 221, 164)  
}
```

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(230, 221, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 221, 164) }
```

Border

The CSS property to change the border of an element to Yxy 71.2162, 0.3585, 0.3916 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(230, 221, 164) }
```

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

```
.border{ border-color:rgb(230, 221, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 221, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 221, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 221, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 221,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2162, 0.3585, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 221, 164) }
```

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

```
.background{ background-color: rgb(230,  
221, 164) }
```

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