

Converting Colors

$Yxy(79.0318, 0.3310, 0.3615)$

Have a look what the booklet for
Yxy(79.0318, 0.3310, 0.3615)
contains.

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Color

Yxy(78.8005, 0.3306, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	E6E8CA
RGB	230, 232, 202
RGB Percent	90%, 91%, 79%
CMY	0.0981, 0.0901, 0.2079
CMYK	0.01, 0.00, 0.13, 0.09
HSL	64°, 40%, 85%
HSV	64°, 13%, 91%
XYZ	72.1447, 78.8005, 67.2783
YIQ	227.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

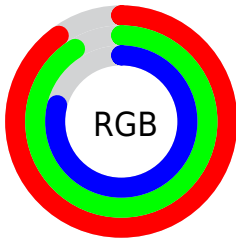
Format	Color
R _Y B	202, 232, 204
Decimal	15132874
CIE Lab	91.14, -5.73, 14.38
CIE LCh	91, 15.483, 111.717
Yxy	78.8005, 0.3306, 0.3611
Android (android.graphics.Color)	4293322954 (0xFFE6E8CA)
YUV	227.9820, -12.8091, 1.7698
Hunter-Lab	88.7696, -10.2767, 17.2030

Details

The Yxy color **78.8005, 0.3306, 0.3611** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.9046, 0.2936, 0.2951**, and the grayscale version is **77.6597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1875, 0.3343, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **77.5277, 0.3447, 0.3867**, and if you desaturate by 10%, it is **80.2478, 0.3167, 0.3361**.

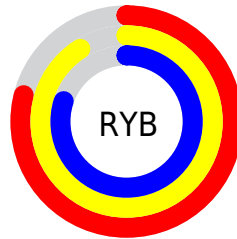
Distribution



Red (90%)

Green (91%)

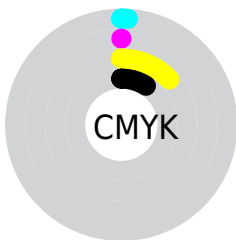
Blue (79%)



Red (79%)

Yellow (91%)

Blue (80%)

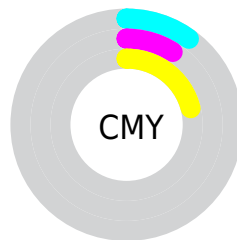


Cyan (1%)

Magenta (0%)

Yellow (13%)

Black (9%)



Cyan (10%)

Magenta (9%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8005, 0.3306, 0.3611 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 78.8005, 0.3306, 0.3611 by changing the saturation by 10% instead.

■ 78.8005, 0.3306,
0.3611

■ 78.8005, 0.3306,
0.3611

490.8812, 0.3225,
0.3463

■ 58.7318, 0.3324,
0.3645

131.6780, 0.3278,
0.3560

■ 42.3973, 0.3346,
0.3686

165.2555, 0.3268,
0.3540

■ 29.4125, 0.3373,
0.3739

204.1048, 0.3258,
0.3523

■ 19.3931, 0.3408,
0.3807

248.6102, 0.3250,
0.3508

■ 11.9546, 0.3454,
0.3900

299.1562, 0.3243,
0.3494

■ 6.7128, 0.3518,
0.4033

356.1271, 0.3236,

■ 3.2831, 0.3611,

0.3483

0.4238

419.9073, 0.3230,
0.3472

1.2813, 0.3929,
0.4805

0.1266, 0.0000,
1.0000

78.8005, 0.3306,
0.3611

78.8005, 0.3306,
0.3611

77.5277, 0.3447,
0.3867

80.2478, 0.3167,
0.3361

76.4117, 0.3585,
0.4122


81.8661, 0.3033,
0.3123

75.4480, 0.3715,
0.4367

82.5499, 0.3004,
0.3059

74.6279, 0.3831,
0.4591


82.8178, 0.3014,
0.3059


 73.9422, 0.3929,
0.4785


 83.0882, 0.3024,
0.3060


 73.3800, 0.4002,
0.4941

 83.3609, 0.3034,
0.3061


 72.9293, 0.4049,
0.5053

 83.6359, 0.3045,
0.3062

 72.5751, 0.4070,
0.5120

 83.9134, 0.3055,
0.3062

 72.3668, 0.4074,
0.5147

 84.1932, 0.3065,
0.3063

Harmonies

Analogous

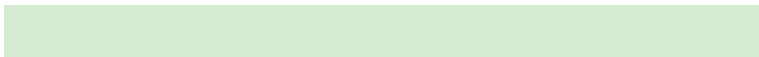
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8005, 0.3439, 0.3566



78.8005, 0.3306, 0.3611



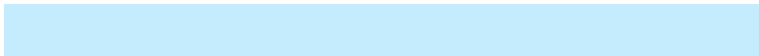
78.8005, 0.3128, 0.3565

Triad

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



78.8005, 0.3306, 0.3611



78.8005, 0.2780, 0.3115



78.8005, 0.3299, 0.3148

Complementary

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



78.8005, 0.3306, 0.3611



60.9046, 0.2936, 0.2951

Split Complementary

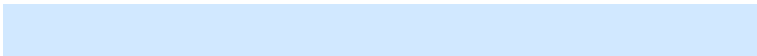
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8005, 0.3118, 0.3035



78.8005, 0.3306, 0.3611



78.8005, 0.2822, 0.3012

Square

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



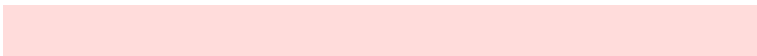
78.8005, 0.3306, 0.3611



78.8005, 0.2827, 0.3270



78.8005, 0.2944, 0.2985



78.8005, 0.3436, 0.3297

Rectangle

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



78.8005, 0.3306, 0.3611



78.8005, 0.3008, 0.3487



78.8005, 0.2944, 0.2985



78.8005, 0.3242, 0.3104

Sweetspot

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



78.8040, 0.3306, 0.3611



99.2297, 0.3182, 0.3388



64.6041, 0.3360, 0.3313



21.2091, 0.3192, 0.3407



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.



78.8040, 0.3306, 0.3611



97.1254, 0.3350, 0.3691



76.4313, 0.3201, 0.3622



16.7650, 0.3257, 0.3523



40.1927, 0.4076, 0.5146



2.9851, 0.4094, 0.5131

Inverse Universe

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



60.9046, 0.2936, 0.2951



70.1602, 0.2884, 0.2860



63.1246, 0.3045, 0.2962



13.9335, 0.2991, 0.3048



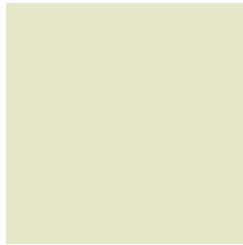
3.3132, 0.1522, 0.0612



0.2613, 0.1582, 0.0645

Previews

White Background



This preview shows how the Yxy color 78.8005, 0.3306, 0.3611 looks on a white background.

Color Contrast Check

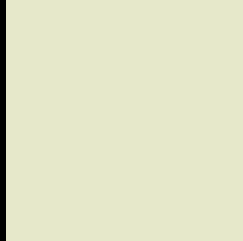
Large Text (above 18pt) WCAG AA × Fail

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 78.8005, 0.3306, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

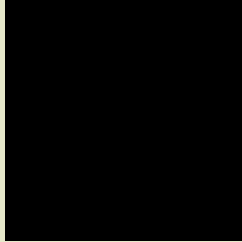
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

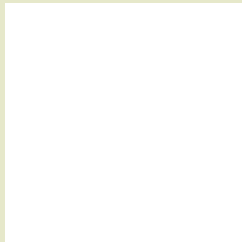
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8005, 0.3306, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 78.8005, 0.3306, 0.3611.

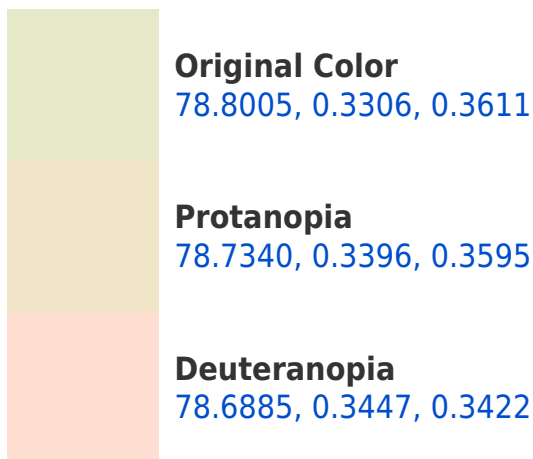


This preview shows how white text looks on a background with the Yxy color 78.8005, 0.3306, 0.3611.

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

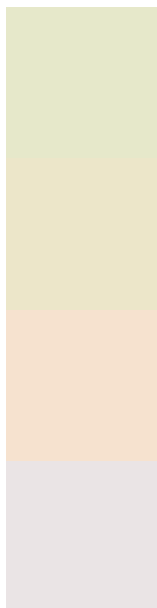




Tritanopia

78.7572, 0.3081, 0.3106

Trichromacy



Original Color

78.8005, 0.3306, 0.3611

Protanomaly

78.6435, 0.3359, 0.3597

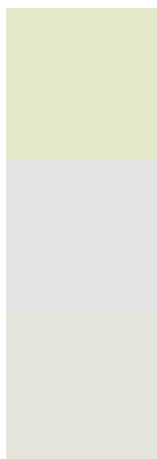
Deuteranomaly

78.4905, 0.3397, 0.3487

Tritanomaly

78.6364, 0.3162, 0.3280

Monochromacy



Original Color

78.8005, 0.3306, 0.3611

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.8111, 0.3191, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8005, 0.3306, 0.3611 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, 232, 202)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 202)  
}
```

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, 232, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 202) }
```

Border

The CSS property to change the border of an element to Yxy 78.8005, 0.3306, 0.3611 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, 232, 202) }
```

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

```
.border{ border-color:rgb(230, 232, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 202);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8005, 0.3306, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 202) }
```

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

```
.background{ background-color: rgb(230,  
232, 202) }
```

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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