

Converting Colors

$Yxy(83.2904, 0.3317, 0.3605)$

Have a look what the booklet for
Yxy(83.2904, 0.3317, 0.3605)
contains.

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Color

Yxy(83.0779, 0.3316, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	EDEDCE
RGB	237, 237, 207
RGB Percent	93%, 93%, 81%
CMY	0.0708, 0.0705, 0.1882
CMYK	0.00, 0.00, 0.13, 0.07
HSL	60°, 45%, 87%
HSV	60°, 13%, 93%
XYZ	76.4603, 83.0779, 71.0416
YIQ	233.5800, 9.6300, -9.3300

Conversions

Conversions Part 2

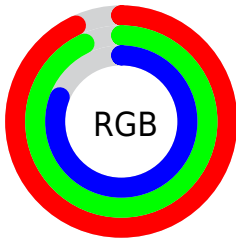
Format	Color
R_{YB}	207, 237, 207
Decimal	15592911
CIE Lab	93.05, -5.02, 14.55
CIE LCh	93, 15.390, 109.035
Yxy	83.0779, 0.3316, 0.3603
Android (android.graphics.Color)	4293782991 (0xFFEDED CF)
YUV	233.5800, -13.1039, 2.9993
Hunter-Lab	91.1471, -9.7697, 17.5913

Details

The Yxy color **83.0779, 0.3316, 0.3603** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.0219, 0.2926, 0.2957**, and the grayscale version is **82.0385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1714, 0.3355, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **81.9986, 0.3468, 0.3856**, and if you desaturate by 10%, it is **84.3385, 0.3166, 0.3355**.

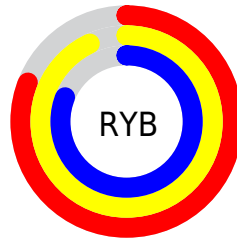
Distribution



Red (93%)

Green (93%)

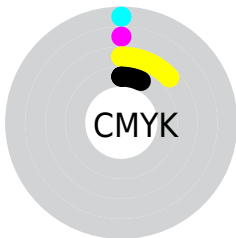
Blue (81%)



Red (81%)

Yellow (93%)

Blue (81%)

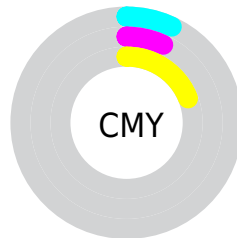


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0779, 0.3316, 0.3603 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 83.0779, 0.3316, 0.3603 by changing the saturation by 10% instead.

83.0779, 0.3316,
0.3603

83.0779, 0.3316,
0.3603

505.2461, 0.3231,
0.3460

62.2544, 0.3335,
0.3635

137.6846, 0.3287,
0.3554

45.2383, 0.3357,
0.3675

172.2365, 0.3276,
0.3535

31.6452, 0.3386,
0.3724

212.1334, 0.3266,
0.3518

21.0906, 0.3422,
0.3788

257.7597, 0.3257,
0.3503

13.1903, 0.3469,
0.3875

309.4997, 0.3250,
0.3491

7.5597, 0.3534,
0.3996

367.7378, 0.3243,

3.8145, 0.3628,

0.3479

0.4180

432.8585, 0.3237,
0.3469

■ 1.5704, 0.3831,
0.4557

■ 0.3375, 0.3700,
0.6300

■ 83.0779, 0.3316,
0.3603

■ 83.0779, 0.3316,
0.3603

■ 81.9986, 0.3468,
0.3856

■ 84.3385, 0.3166,
0.3355

■ 81.0819, 0.3619,
0.4105


■ 85.7768, 0.3022,
0.3116


■ 80.3233, 0.3761,
0.4342


■ 85.8238, 0.3019,
0.3111


■ 79.7136, 0.3890,
0.4556


■ 85.8331, 0.3020,
0.3111

 79.2429, 0.4000,
0.4738

 85.8423, 0.3020,
0.3111


 78.9001, 0.4085,
0.4881

 85.8516, 0.3020,
0.3111


 78.6723, 0.4144,
0.4980

 85.8608, 0.3021,
0.3111

 78.5441, 0.4178,
0.5036

 85.8701, 0.3021,
0.3111

 78.4956, 0.4189,
0.5056

 85.8793, 0.3021,
0.3111

Harmonies

Analogous

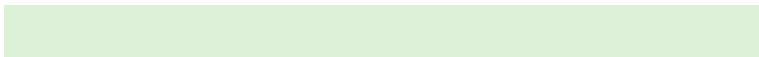
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0779, 0.3440, 0.3552



83.0779, 0.3316, 0.3603



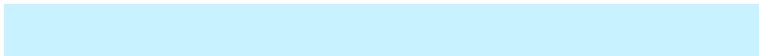
83.0779, 0.3144, 0.3566

Triad

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



83.0779, 0.3316, 0.3603



83.0779, 0.2788, 0.3131



83.0779, 0.3281, 0.3139

Complementary

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



83.0779, 0.3316, 0.3603



64.0219, 0.2926, 0.2957

Split Complementary

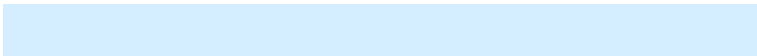
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0779, 0.3103, 0.3034



83.0779, 0.3316, 0.3603



83.0779, 0.2822, 0.3025

Square

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



83.0779, 0.3316, 0.3603



83.0779, 0.2842, 0.3286



83.0779, 0.2935, 0.2991



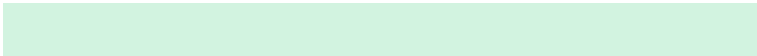
83.0779, 0.3420, 0.3284

Rectangle

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



83.0779, 0.3316, 0.3603



83.0779, 0.3026, 0.3494



83.0779, 0.2935, 0.2991



83.0779, 0.3223, 0.3098

Sweetspot

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



83.0815, 0.3316, 0.3603



99.3560, 0.3186, 0.3388



67.1432, 0.3358, 0.3291



21.2412, 0.3197, 0.3406



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.



83.0815, 0.3316, 0.3603



97.7603, 0.3352, 0.3663



80.6172, 0.3213, 0.3613



17.6252, 0.3268, 0.3523



42.8484, 0.4189, 0.5056



3.3652, 0.4190, 0.5055

Inverse Universe

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



64.0219, 0.2926, 0.2957



71.4436, 0.2884, 0.2887



66.2773, 0.3032, 0.2967



14.5506, 0.2980, 0.3046



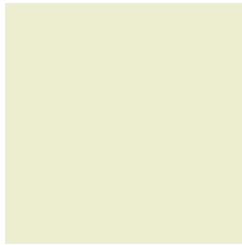
3.3409, 0.1501, 0.0600



0.2629, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 83.0779, 0.3316, 0.3603 looks on a white background.

Color Contrast Check

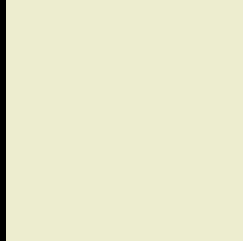
Large Text (above 18pt) WCAG AA × Fail

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 83.0779, 0.3316, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

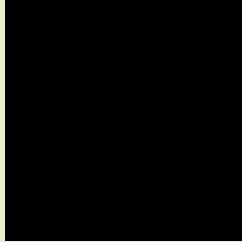
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

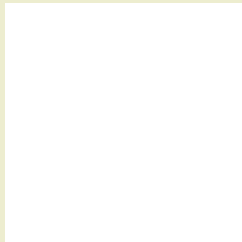
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0779, 0.3316, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 83.0779, 0.3316, 0.3603.

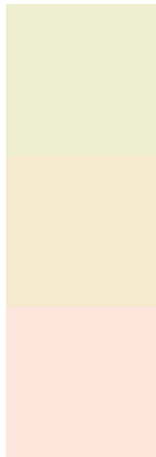


This preview shows how white text looks on a background with the Yxy color 83.0779, 0.3316, 0.3603.

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

83.0779, 0.3316, 0.3603

Protanopia

82.8947, 0.3391, 0.3577

Deuteranopia

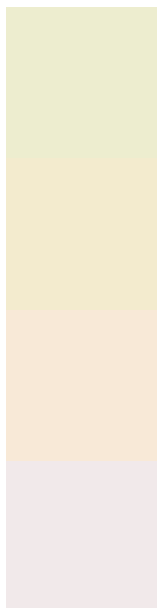
83.0209, 0.3367, 0.3390



Tritanopia

83.0461, 0.3095, 0.3111

Trichromacy



Original Color

83.0779, 0.3316, 0.3603

Protanomaly

82.9276, 0.3368, 0.3589

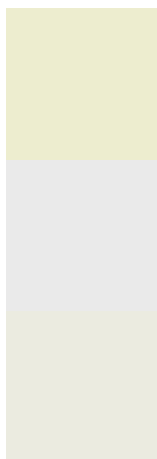
Deuteranomaly

83.1406, 0.3347, 0.3473

Tritanomaly

82.9191, 0.3175, 0.3280

Monochromacy



Original Color

83.0779, 0.3316, 0.3603

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4606, 0.3196, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0779, 0.3316, 0.3603 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(237, 237, 207)` looks like.

```
.text, #text, p{  
    color:rgb(237, 237, 207)  
}
```

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(237, 237, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 237, 207) }
```

Border

The CSS property to change the border of an element to Yxy 83.0779, 0.3316, 0.3603 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(237, 237, 207) }
```

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

```
.border{ border-color:rgb(237, 237, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 237, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 237, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 237, 207); box-shadow:4px 4px 4px 4px rgb(237, 237, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0779, 0.3316, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 237, 207) }
```

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

```
.background{ background-color: rgb(237,  
237, 207) }
```

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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