

Converting Colors

$Y_{xy}(85.5533, 0.3382, 0.3638)$

Have a look what the booklet for
Yxy(85.5533, 0.3382, 0.3638)
contains.

Yxy(85.5533, 0.3382, 0.3638)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.5533, 0.3382, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	F5EFCD
RGB	245, 239, 205
RGB Percent	96%, 94%, 80%
CMY	0.0394, 0.0627, 0.1961
CMYK	0.00, 0.02, 0.16, 0.04
HSL	51°, 67%, 88%
HSV	51°, 16%, 96%
XYZ	79.5331, 85.5533, 70.0794
YIQ	236.9180, 14.4900, -9.3020

Conversions

Conversions Part 2

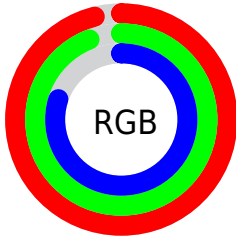
Format	Color
R _{YB}	212, 245, 205
Decimal	16117709
CIE Lab	94.12, -3.49, 17.18
CIE LCh	94, 17.536, 101.494
Yxy	85.5533, 0.3382, 0.3638
Android (android.graphics.Color)	4294307789 (0xFFF5EFCF)
YUV	236.9180, -15.7356, 7.0879
Hunter-Lab	92.4950, -8.3807, 19.8251

Details

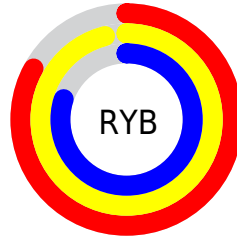
The Yxy color **85.5533, 0.3382, 0.3638** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.1340, 0.2863, 0.2916**, and the grayscale version is **84.7358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9202, 0.3440, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **82.3513, 0.3549, 0.3858**, and if you desaturate by 10%, it is **88.9912, 0.3223, 0.3422**.

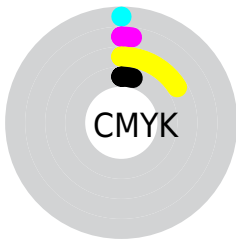
Distribution



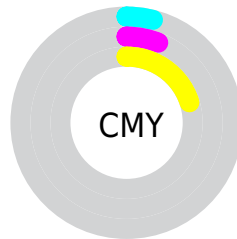
- Red (96%)
- Green (94%)
- Blue (80%)



- Red (83%)
- Yellow (96%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (4%)



- Cyan (4%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5533, 0.3382, 0.3638 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 85.5533, 0.3382, 0.3638 by changing the saturation by 10% instead.

85.5533, 0.3382,
0.3638

85.5533, 0.3382,
0.3638

513.4571, 0.3268,
0.3481

64.2987, 0.3407,
0.3673

141.1460, 0.3343,
0.3584

46.8926, 0.3437,
0.3716

176.2528, 0.3328,
0.3563

32.9508, 0.3475,
0.3770

216.7458, 0.3315,
0.3545

22.0887, 0.3523,
0.3838

263.0093, 0.3303,
0.3529

13.9221, 0.3586,
0.3930

315.4278, 0.3293,
0.3514

8.0665, 0.3672,
0.4057

374.3857, 0.3284,

4.1375, 0.3794,

0.3502

0.4244

440.2673, 0.3276,
0.3491

■ 1.7508, 0.4051,
0.4626

■ 0.4562, 0.4329,
0.5671

■ 85.5533, 0.3382,
0.3638

■ 85.5533, 0.3382,
0.3638

■ 82.3513, 0.3549,
0.3858

■ 88.9912, 0.3223,
0.3422

■ 79.3650, 0.3719,
0.4075

■ 92.6618, 0.3073,
0.3215

■ 76.5886, 0.3887,
0.4281

■ 94.9701, 0.3067,
0.3241

■ 74.0118, 0.4047,
0.4465

■ 97.2577, 0.3066,
0.3276

71.6230, 0.4190,
0.4618

98.1463, 0.3066,
0.3290

69.4094, 0.4311,
0.4730

67.3557, 0.4404,
0.4797

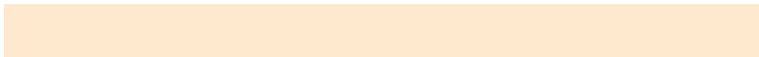
65.4434, 0.4469,
0.4818

64.7633, 0.4488,
0.4818

Harmonies

Analogous

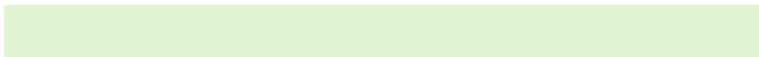
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5533, 0.3501, 0.3557



85.5533, 0.3382, 0.3638



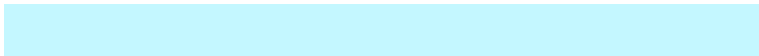
85.5533, 0.3196, 0.3623

Triad

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



85.5533, 0.3382, 0.3638



85.5533, 0.2752, 0.3150



85.5533, 0.3251, 0.3085

Complementary

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



85.5533, 0.3382, 0.3638



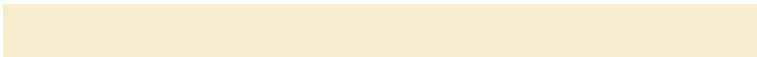
66.1340, 0.2863, 0.2916

Split Complementary

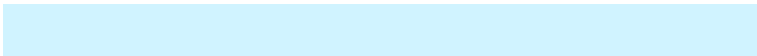
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5533, 0.3048, 0.2983



85.5533, 0.3382, 0.3638



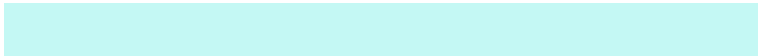
85.5533, 0.2765, 0.3014

Square

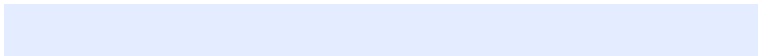
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5533, 0.3382, 0.3638



85.5533, 0.2835, 0.3332



85.5533, 0.2871, 0.2955



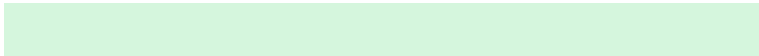
85.5533, 0.3425, 0.3239

Rectangle

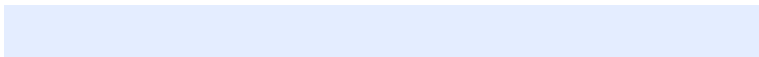
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5533, 0.3382, 0.3638



85.5533, 0.3061, 0.3556



85.5533, 0.2871, 0.2955



85.5533, 0.3184, 0.3044

Sweetspot

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



85.5571, 0.3382, 0.3638



98.0009, 0.3203, 0.3394



67.7730, 0.3393, 0.3228



20.9172, 0.3213, 0.3409



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.



85.5571, 0.3382, 0.3638



92.3913, 0.3443, 0.3720



86.6772, 0.3278, 0.3708



18.8685, 0.3272, 0.3490



35.0625, 0.4483, 0.4823



3.1935, 0.4440, 0.4856

Inverse Universe

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



66.1340, 0.2863, 0.2916



66.9403, 0.2797, 0.2820



65.3126, 0.2958, 0.2862



16.3247, 0.2979, 0.3082



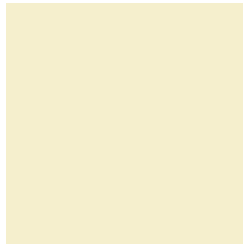
4.3683, 0.1534, 0.0721



0.5017, 0.1586, 0.0909

Previews

White Background



This preview shows how the Yxy color 85.5533, 0.3382, 0.3638 looks on a white background.

Color Contrast Check

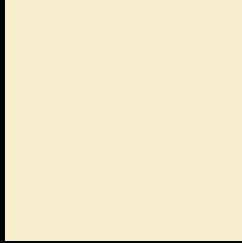
Large Text (above 18pt) WCAG AA × Fail

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 85.5533, 0.3382, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

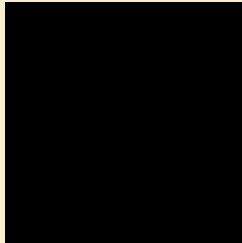
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

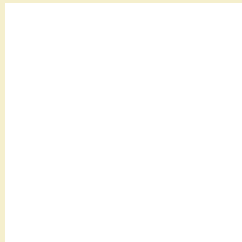
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.5533, 0.3382, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 85.5533, 0.3382, 0.3638.

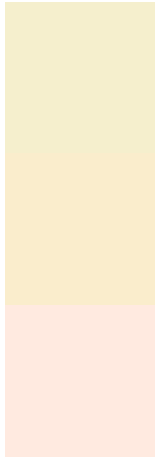


This preview shows how white text looks on a background with the Yxy color 85.5533, 0.3382, 0.3638.

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

85.5533, 0.3382, 0.3638

Protanopia

85.2520, 0.3427, 0.3625

Deuteranopia

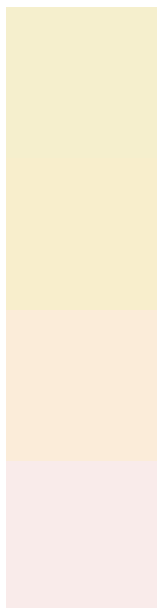
85.4875, 0.3335, 0.3390



Tritanopia

85.7521, 0.3135, 0.3114

Trichromacy



Original Color

85.5533, 0.3382, 0.3638

Protanomaly

85.4652, 0.3411, 0.3636

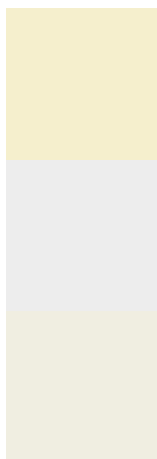
Deuteranomaly

85.5099, 0.3351, 0.3481

Tritanomaly

85.4969, 0.3228, 0.3300

Monochromacy



Original Color

85.5533, 0.3382, 0.3638

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.1106, 0.3221, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5533, 0.3382, 0.3638 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(245, 239, 205)` looks like.

```
.text, #text, p{  
    color:rgb(245, 239, 205)  
}
```

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(245, 239, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 239, 205) }
```

Border

The CSS property to change the border of an element to Yxy 85.5533, 0.3382, 0.3638 is called "border". The border property can be set on classes, ids or directly on the HTML element.

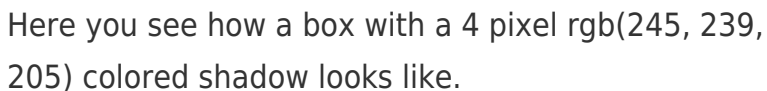
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(245, 239, 205) }
```

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

```
.border{ border-color:rgb(245, 239, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(245, 239, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 239, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 239, 205); box-shadow:4px 4px 4px 4px rgb(245, 239, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5533, 0.3382, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 239, 205) }
```

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

```
.background{ background-color: rgb(245,  
239, 205) }
```

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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