

Converting Colors

$Y_{xy}(100.0000, 0.3907, 0.3558)$

Have a look what the booklet for
Yxy(100.0000, 0.3907, 0.3558)
contains.

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Color

Yxy(85.6587, 0.3458, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	FFECDD
RGB	255, 236, 205
RGB Percent	100%, 93%, 80%
CMY	0.0000, 0.0745, 0.1961
CMYK	0.00, 0.07, 0.20, 0.00
HSL	37°, 100%, 90%
HSV	37°, 20%, 100%
XYZ	82.2571, 85.6587, 69.9590
YIQ	238.1470, 21.2750, -5.6130

Conversions

Conversions Part 2

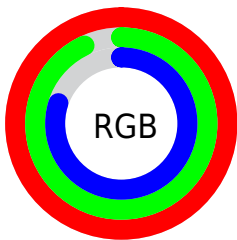
Format	Color
R_{YB}	236, 255, 205
Decimal	16772301
CIE _{Lab}	94.17, 1.63, 17.36
CIE _{LCh}	94, 17.438, 84.638
Yxy	85.6587, 0.3458, 0.3601
Android (android.graphics.Color)	4294962381 (0xFFFFECCD)
YUV	238.1470, -16.3415, 14.7801
Hunter-Lab	92.5520, -3.3212, 19.9698

Details

The Yxy color **85.6587, 0.3458, 0.3601** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.5129, 0.2812, 0.2958**, and the grayscale version is **85.7380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8826, 0.3530, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **79.0991, 0.3654, 0.3768**, and if you desaturate by 10%, it is **92.7267, 0.3280, 0.3439**.

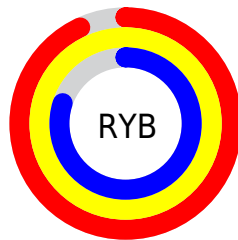
Distribution



Red (100%)

Green (93%)

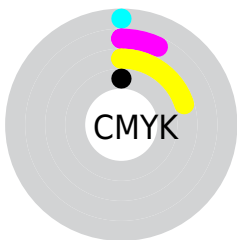
Blue (80%)



Red (93%)

Yellow (100%)

Blue (80%)

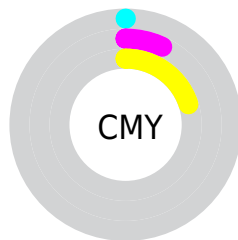


Cyan (0%)

Magenta (7%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6587, 0.3458, 0.3601 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 85.6587, 0.3458, 0.3601 by changing the saturation by 10% instead.

 85.6587, 0.3458,
0.3601

 85.6587, 0.3458,
0.3601

513.8051, 0.3309,
0.3462

 64.3858, 0.3491,
0.3632


141.2931, 0.3407,
0.3554

 46.9632, 0.3531,
0.3669


176.4234, 0.3387,
0.3535

 33.0066, 0.3581,
0.3715


216.9416, 0.3370,
0.3519

 22.1315, 0.3645,
0.3774

263.2321, 0.3355,
0.3505

 13.9535, 0.3729,
0.3851

315.6793, 0.3341,
0.3492

 8.0884, 0.3845,
0.3956

374.6676, 0.3329,

 4.1515, 0.4014,

0.3481

0.4106

440.5815, 0.3319,
0.3471

■ 1.7587, 0.4351,
0.4410

■ 0.4612, 0.5090,
0.4910

■ 85.6587, 0.3458,
0.3601

■ 85.6587, 0.3458,
0.3601

■ 79.0991, 0.3654,
0.3768

■ 92.7267, 0.3280,
0.3439

■ 73.0260, 0.3866,
0.3932

100.0000, 0.3127,
0.3290

■ 67.4265, 0.4090,
0.4088

■ 62.2840, 0.4320,
0.4223

■ 57.5806, 0.4544,
0.4326

■ 53.2962, 0.4752,
0.4385

■ 49.4081, 0.4931,
0.4392

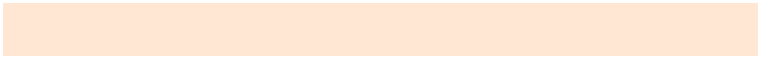
■ 45.8832, 0.5076,
0.4349

■ 45.7502, 0.5082,
0.4347

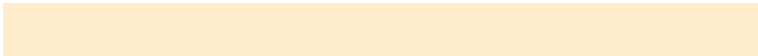
Harmonies

Analogous

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



85.6587, 0.3522, 0.3479



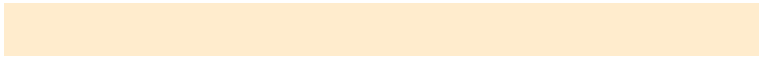
85.6587, 0.3458, 0.3601



85.6587, 0.3305, 0.3642

Triad

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



85.6587, 0.3458, 0.3601



85.6587, 0.2790, 0.3250



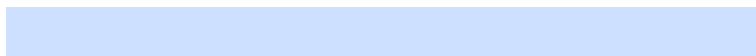
85.6587, 0.3137, 0.3021

Complementary

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



85.6587, 0.3458, 0.3601



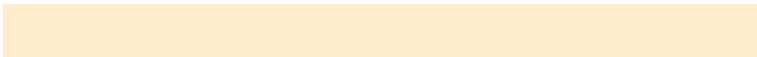
73.5129, 0.2812, 0.2958

Split Complementary

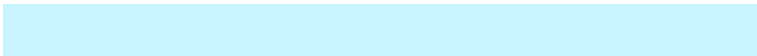
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6587, 0.2944, 0.2959



85.6587, 0.3458, 0.3601



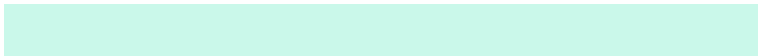
85.6587, 0.2748, 0.3083

Square

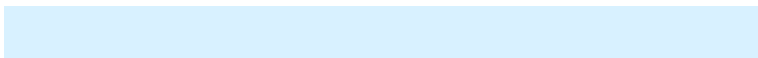
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6587, 0.3458, 0.3601



85.6587, 0.2920, 0.3435



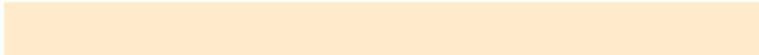
85.6587, 0.2803, 0.2980



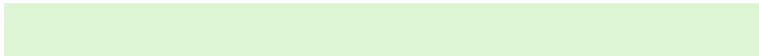
85.6587, 0.3333, 0.3149

Rectangle

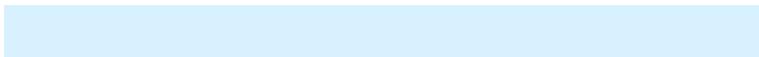
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6587, 0.3458, 0.3601



85.6587, 0.3175, 0.3613



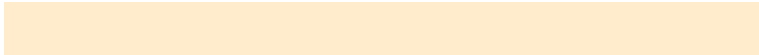
85.6587, 0.2803, 0.2980



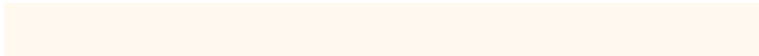
85.6587, 0.3070, 0.2992

Sweetspot

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



85.6612, 0.3458, 0.3601



95.4001, 0.3221, 0.3382



70.3169, 0.3372, 0.3097



20.3148, 0.3231, 0.3392



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.



85.6612, 0.3458, 0.3601



82.7162, 0.3542, 0.3674



96.0986, 0.3385, 0.3787



19.8631, 0.3279, 0.3437



24.2027, 0.5063, 0.4362



2.5675, 0.4937, 0.4462

Inverse Universe

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



73.5129, 0.2812, 0.2958



68.3166, 0.2737, 0.2873



64.7109, 0.2838, 0.2754



18.5089, 0.2979, 0.3138



8.4944, 0.1667, 0.1201



1.0298, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 85.6587, 0.3458, 0.3601 looks on a white background.

Color Contrast Check

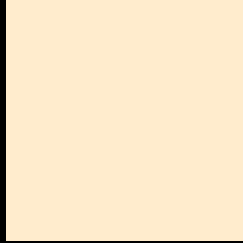
Large Text (above 18pt) WCAG AA × Fail

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 85.6587, 0.3458, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

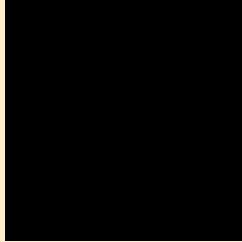
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6587, 0.3458, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 85.6587, 0.3458, 0.3601.

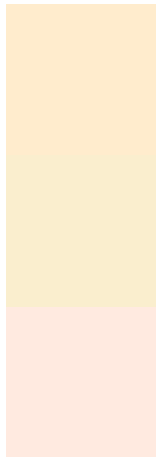


This preview shows how white text looks on a background with the Yxy color 85.6587, 0.3458, 0.3601.

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

85.6587, 0.3458, 0.3601

Protanopia

85.9293, 0.3413, 0.3614

Deuteranopia

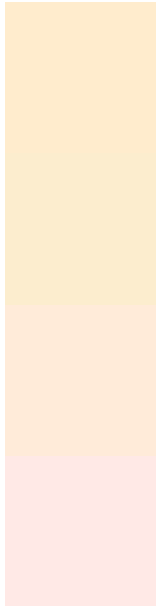
85.4875, 0.3335, 0.3390



Tritanopia

85.5658, 0.3201, 0.3163

Trichromacy



Original Color

85.6587, 0.3458, 0.3601

Protanomaly

85.7201, 0.3428, 0.3603

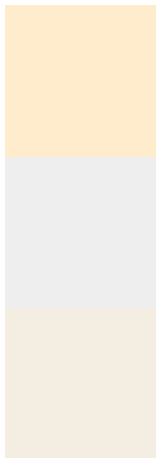
Deuteranomaly

85.6864, 0.3380, 0.3470

Tritanomaly

85.2510, 0.3297, 0.3320

Monochromacy



Original Color

85.6587, 0.3458, 0.3601

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2925, 0.3243, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6587, 0.3458, 0.3601 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(255, 236, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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(255, 236, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 205) }
```

Border

The CSS property to change the border of an element to Yxy 85.6587, 0.3458, 0.3601 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(255, 236, 205) }
```

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

```
.border{ border-color:rgb(255, 236, 205) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6587, 0.3458, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 205) }
```

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

```
.background{ background-color: rgb(255,  
236, 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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