

Converting Colors

$Y_{xy}(100.0000, 0.3882, 0.3528)$

Have a look what the booklet for
Yxy(100.0000, 0.3882, 0.3528)
contains.

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Color

Yxy(85.8050, 0.3438, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	FFECD0
RGB	255, 236, 208
RGB Percent	100%, 93%, 82%
CMY	0.0001, 0.0744, 0.1844
CMYK	0.00, 0.07, 0.18, 0.00
HSL	36°, 100%, 91%
HSV	36°, 18%, 100%
XYZ	82.6092, 85.8050, 71.8686
YIQ	238.4890, 20.3120, -4.6800

Conversions

Conversions Part 2

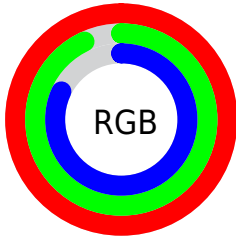
Format	Color
R _Y B	240, 255, 208
Decimal	16772304
CIE Lab	94.23, 2.04, 15.91
CIE LCh	94, 16.043, 82.701
Yxy	85.8050, 0.3438, 0.3571
Android (android.graphics.Color)	4294962384 (0xFFFFECD0)
YUV	238.4890, -15.0311, 14.4801
Hunter-Lab	92.6310, -2.9162, 18.8410

Details

The Yxy color **85.8050, 0.3438, 0.3571** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.5235, 0.2833, 0.2992**, and the grayscale version is **86.0043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9814, 0.3505, 0.3623** is the 20% darker color. If you saturate the color by 10%, you get **78.9013, 0.3634, 0.3732**, and if you desaturate by 10%, it is **93.2589, 0.3261, 0.3415**.

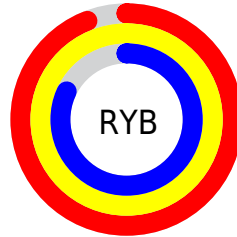
Distribution



Red (100%)

Green (93%)

Blue (82%)



Red (94%)

Yellow (100%)

Blue (82%)

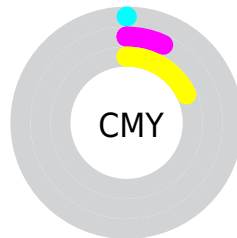


Cyan (0%)

Magenta (7%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8050, 0.3438, 0.3571 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 85.8050, 0.3438, 0.3571 by changing the saturation by 10% instead.


 85.8050, 0.3438,
0.3571

 85.8050, 0.3438,
0.3571


514.2880, 0.3298,
0.3446

 64.5067, 0.3469,
0.3599


141.4973, 0.3390,
0.3528

 47.0612, 0.3507,
0.3632

176.6602, 0.3371,
0.3511

 33.0841, 0.3554,
0.3674


217.2134, 0.3355,
0.3497

 22.1908, 0.3614,
0.3727

263.5413, 0.3341,
0.3484

 13.9972, 0.3694,
0.3796

316.0283, 0.3328,
0.3473

 8.1187, 0.3804,
0.3891

375.0588, 0.3317,

 4.1710, 0.3965,

0.3463

0.4028

441.0173, 0.3307,
0.3454

■ 1.7697, 0.4262,
0.4280

■ 0.4682, 0.5138,
0.4862

■ 85.8050, 0.3438,
0.3571

■ 85.8050, 0.3438,
0.3571

■ 78.9013, 0.3634,
0.3732

■ 93.2589, 0.3261,
0.3415

■ 72.5211, 0.3849,
0.3891

99.9937, 0.3127,
0.3290

■ 66.6519, 0.4078,
0.4043

■ 61.2764, 0.4316,
0.4176

■ 56.3758, 0.4551,
0.4279

■ 51.9292, 0.4773,
0.4339

■ 47.9131, 0.4967,
0.4347

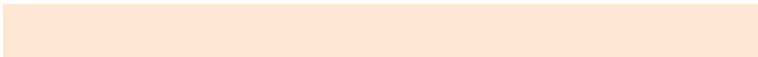
■ 44.2967, 0.5126,
0.4303

■ 43.7592, 0.5149,
0.4293

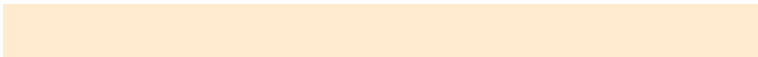
Harmonies

Analogous

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



85.8050, 0.3490, 0.3456



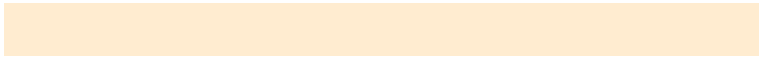
85.8050, 0.3438, 0.3571



85.8050, 0.3302, 0.3613

Triad

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



85.8050, 0.3438, 0.3571



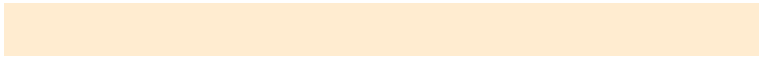
85.8050, 0.2822, 0.3265



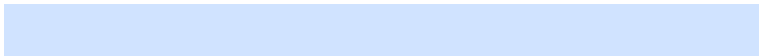
85.8050, 0.3125, 0.3036

Complementary

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



85.8050, 0.3438, 0.3571



75.5235, 0.2833, 0.2992

Split Complementary

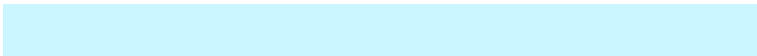
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8050, 0.2948, 0.2984



85.8050, 0.3438, 0.3571



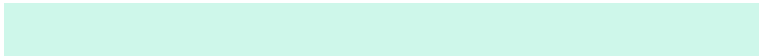
85.8050, 0.2777, 0.3109

Square

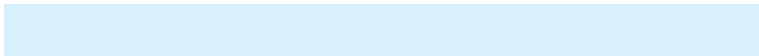
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8050, 0.3438, 0.3571



85.8050, 0.2947, 0.3434



85.8050, 0.2823, 0.3008



85.8050, 0.3306, 0.3151

Rectangle

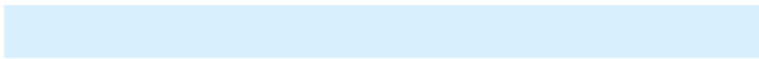
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8050, 0.3438, 0.3571



85.8050, 0.3184, 0.3590



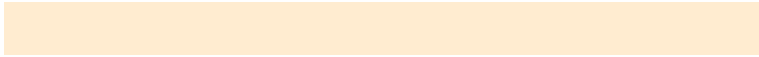
85.8050, 0.2823, 0.3008



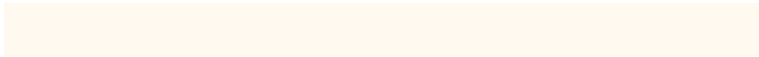
85.8050, 0.3063, 0.3011

Sweetspot

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



85.8088, 0.3438, 0.3571



95.1799, 0.3221, 0.3379



71.9327, 0.3343, 0.3094



20.2627, 0.3232, 0.3388



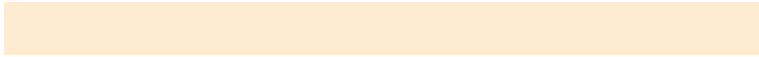
0.0000, 0.0000, 0.0000



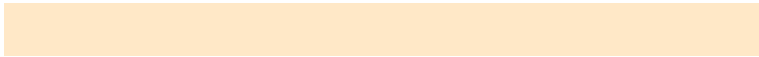
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8088, 0.3438, 0.3571



83.3049, 0.3506, 0.3628



96.5706, 0.3380, 0.3754



19.7899, 0.3279, 0.3432



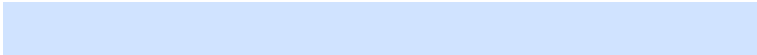
23.1723, 0.5129, 0.4309



2.4706, 0.4993, 0.4417

Inverse Universe

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



75.5235, 0.2833, 0.2992



71.3377, 0.2772, 0.2927



66.3015, 0.2847, 0.2788



18.5801, 0.2979, 0.3144



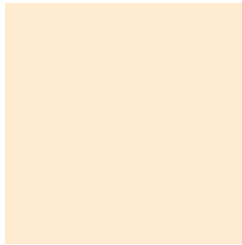
9.0974, 0.1686, 0.1268



1.0932, 0.1748, 0.1491

Previews

White Background



This preview shows how the Yxy color 85.8050, 0.3438, 0.3571 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 85.8050, 0.3438, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

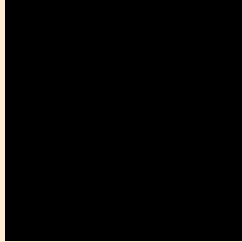
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8050, 0.3438, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 85.8050, 0.3438, 0.3571.

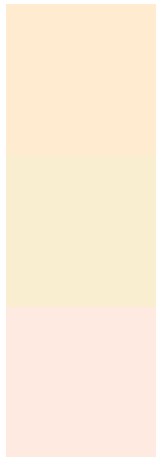


This preview shows how white text looks on a background with the Yxy color 85.8050, 0.3438, 0.3571.

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

85.8050, 0.3438, 0.3571

Protanopia

86.0765, 0.3393, 0.3583

Deuteranopia

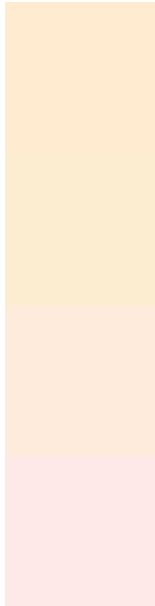
85.5419, 0.3329, 0.3380



Tritanopia

85.6270, 0.3194, 0.3154

Trichromacy



Original Color

85.8050, 0.3438, 0.3571

Protanomaly

85.8673, 0.3409, 0.3572

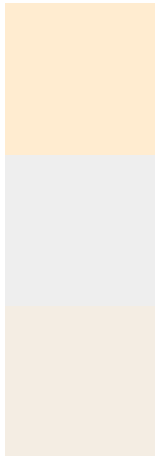
Deuteranomaly

85.7911, 0.3367, 0.3450

Tritanomaly

85.3640, 0.3284, 0.3300

Monochromacy



Original Color

85.8050, 0.3438, 0.3571

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.3475, 0.3237, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8050, 0.3438, 0.3571 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 208) }
```

Border

The CSS property to change the border of an element to Yxy 85.8050, 0.3438, 0.3571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

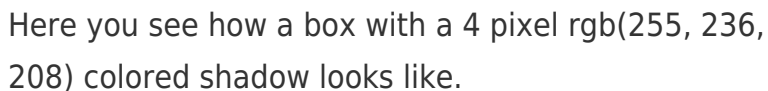
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 236, 208) }
```

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

```
.border{ border-color:rgb(255, 236, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 208); box-shadow:4px 4px 4px 4px rgb(255, 236, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8050, 0.3438, 0.3571 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
236, 208) }
```

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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