

Converting Colors

$Y_{xy}(89.2478, 0.3478, 0.3441)$

Have a look what the booklet for
Yxy(89.2478, 0.3478, 0.3441)
contains.

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Color

Yxy(85.8440, 0.3360, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBDC
RGB	255, 235, 220
RGB Percent	100%, 92%, 86%
CMY	0.0003, 0.0783, 0.1373
CMYK	0.00, 0.08, 0.14, 0.00
HSL	26°, 100%, 93%
HSV	26°, 14%, 100%
XYZ	83.8476, 85.8440, 79.8549
YIQ	239.2700, 16.7350, -0.4250

Conversions

Conversions Part 2

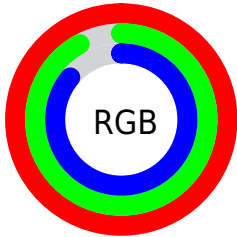
Format	Color
R _Y B	255, 246, 220
Decimal	16772060
CIE Lab	94.25, 4.34, 9.72
CIE LCh	94, 10.642, 65.938
Yxy	85.8440, 0.3360, 0.3440
Android (android.graphics.Color)	4294962140 (0xFFFFEBCD)
YUV	239.2700, -9.5001, 13.7952
Hunter-Lab	92.6520, -0.6033, 13.7556

Details

The Yxy color **85.8440, 0.3360, 0.3440** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.6913, 0.2913, 0.3135**, and the grayscale version is **86.5999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9626, 0.3412, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **76.6173, 0.3562, 0.3556**, and if you desaturate by 10%, it is **95.9633, 0.3185, 0.3329**.

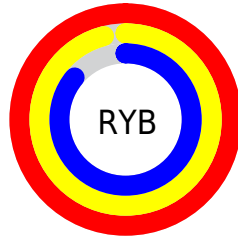
Distribution



Red (100%)

Green (92%)

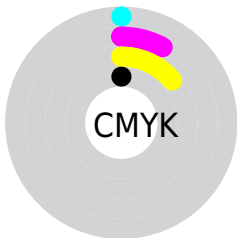
Blue (86%)



Red (100%)

Yellow (96%)

Blue (86%)

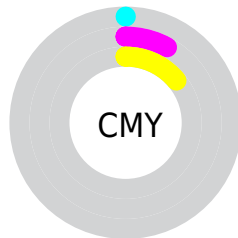


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8440, 0.3360, 0.3440 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 85.8440, 0.3360, 0.3440 by changing the saturation by 10% instead.


 85.8440, 0.3360,
0.3440

 85.8440, 0.3360,
0.3440


514.4167, 0.3255,
0.3373

 64.5390, 0.3383,
0.3455


141.5518, 0.3324,
0.3417

 47.0874, 0.3412,
0.3472

176.7233, 0.3310,
0.3408

 33.1047, 0.3448,
0.3494


217.2858, 0.3298,
0.3401

 22.2067, 0.3494,
0.3522

263.6237, 0.3287,
0.3394

 14.0088, 0.3555,
0.3559

316.1213, 0.3278,
0.3388

 8.1268, 0.3641,
0.3609

375.1631, 0.3269,

 4.1762, 0.3769,

0.3383

0.3682

441.1334, 0.3262,
0.3378

■ 1.7726, 0.3979,
0.3795

■ 0.4700, 0.5404,
0.4596

■ 85.8440, 0.3360,
0.3440

■ 85.8440, 0.3360,
0.3440

■ 76.6173, 0.3562,
0.3556

■ 95.9633, 0.3185,
0.3329

■ 68.2464, 0.3794,
0.3675

99.9876, 0.3127,
0.3290

■ 60.7083, 0.4055,
0.3791

■ 53.9747, 0.4344,
0.3895

■ 48.0155, 0.4652,
0.3977

■ 42.7980, 0.4963,
0.4023

■ 38.2866, 0.5256,
0.4020

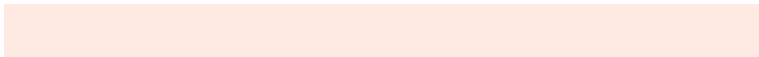
■ 34.4410, 0.5508,
0.3961

■ 32.3348, 0.5642,
0.3902

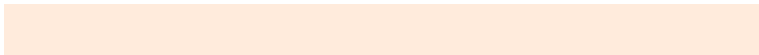
Harmonies

Analogous

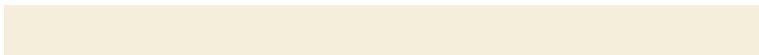
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8440, 0.3357, 0.3347



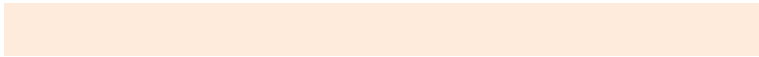
85.8440, 0.3360, 0.3440



85.8440, 0.3299, 0.3496

Triad

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



85.8440, 0.3360, 0.3440



85.8440, 0.2965, 0.3338



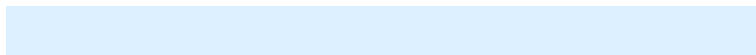
85.8440, 0.3058, 0.3094

Complementary

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



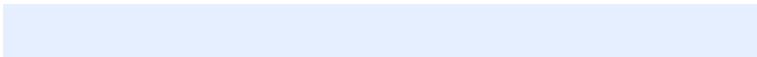
85.8440, 0.3360, 0.3440



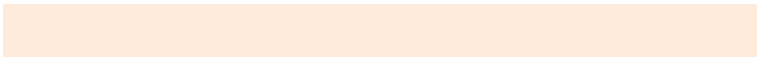
84.6913, 0.2913, 0.3135

Split Complementary

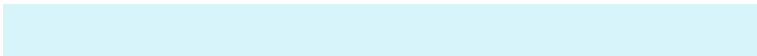
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8440, 0.2956, 0.3088



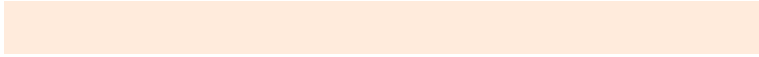
85.8440, 0.3360, 0.3440



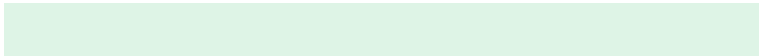
85.8440, 0.2903, 0.3226

Square

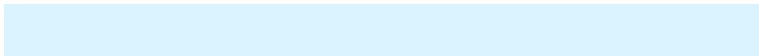
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8440, 0.3360, 0.3440



85.8440, 0.3071, 0.3437



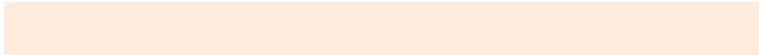
85.8440, 0.2899, 0.3136



85.8440, 0.3181, 0.3150

Rectangle

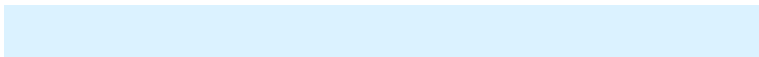
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8440, 0.3360, 0.3440



85.8440, 0.3232, 0.3502



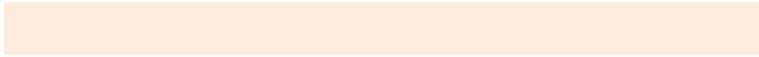
85.8440, 0.2899, 0.3136



85.8440, 0.3020, 0.3086

Sweetspot

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



85.8478, 0.3360, 0.3440



95.7087, 0.3190, 0.3332



78.7443, 0.3240, 0.3089



20.3163, 0.3203, 0.3341



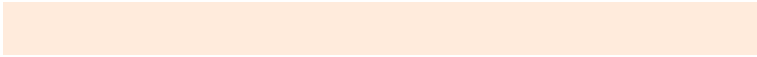
0.0000, 0.0000, 0.0000



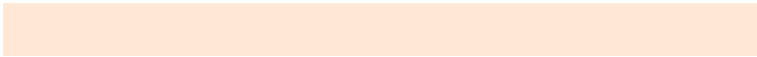
21.4041, 0.3127, 0.3290

Same Dimension

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



85.8478, 0.3360, 0.3440



83.7015, 0.3404, 0.3466



96.0497, 0.3337, 0.3603



19.2724, 0.3283, 0.3393



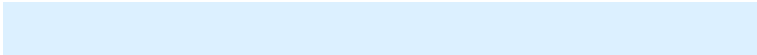
17.1882, 0.5614, 0.3924



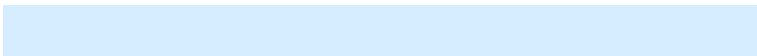
1.8854, 0.5414, 0.4083

Inverse Universe

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



84.6913, 0.2913, 0.3135



82.3718, 0.2876, 0.3107



75.1553, 0.2907, 0.2956



19.0957, 0.2979, 0.3185



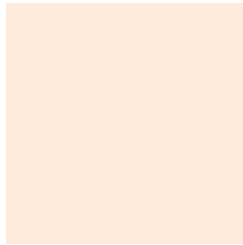
14.7000, 0.1837, 0.1813



1.6484, 0.1888, 0.1996

Previews

White Background



This preview shows how the Yxy color 85.8440, 0.3360, 0.3440 looks on a white background.

Color Contrast Check

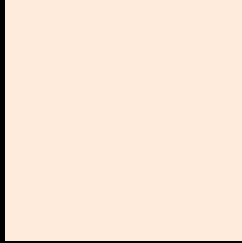
Large Text (above 18pt) WCAG AA × Fail

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 85.8440, 0.3360, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

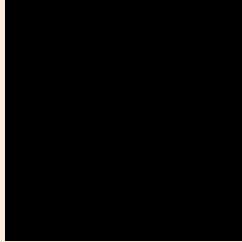
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8440, 0.3360, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 85.8440, 0.3360, 0.3440.

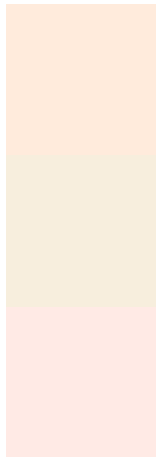


This preview shows how white text looks on a background with the Yxy color 85.8440, 0.3360, 0.3440.

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

85.8440, 0.3360, 0.3440

Protanopia

86.1437, 0.3295, 0.3462

Deuteranopia

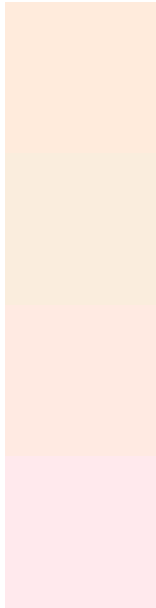
85.7628, 0.3303, 0.3340



Tritanopia

85.6886, 0.3188, 0.3144

Trichromacy



Original Color

85.8440, 0.3360, 0.3440

Protanomaly

86.1128, 0.3317, 0.3451

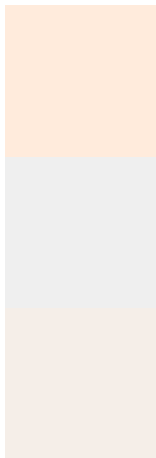
Deuteranomaly

85.5966, 0.3322, 0.3370

Tritanomaly

85.6523, 0.3252, 0.3251

Monochromacy



Original Color

85.8440, 0.3360, 0.3440

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.3877, 0.3211, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8440, 0.3360, 0.3440 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, 235, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 220)  
}
```

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, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.8440, 0.3360, 0.3440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

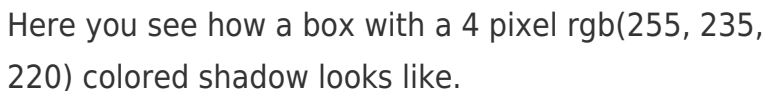
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 220) }
```

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

```
.border{ border-color:rgb(255, 235, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 235, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8440, 0.3360, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 220) }
```

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

```
.background{ background-color: rgb(255,  
235, 220) }
```

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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