

Converting Colors

$Yxy(85.2914, 0.3394, 0.3485)$

Have a look what the booklet for
Yxy(85.2914, 0.3394, 0.3485)
contains.

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Color

Yxy(85.5830, 0.3393, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBD7
RGB	255, 235, 215
RGB Percent	100%, 92%, 84%
CMY	0.0002, 0.0784, 0.1568
CMYK	0.00, 0.08, 0.16, 0.00
HSL	30°, 100%, 92%
HSV	30°, 16%, 100%
XYZ	83.2043, 85.5830, 76.4362
YIQ	238.7000, 18.3400, -1.9800

Conversions

Conversions Part 2

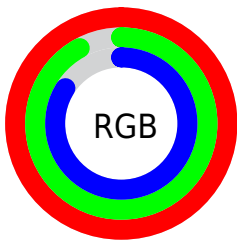
Format	Color
R _Y B	255, 255, 215
Decimal	16772055
CIE Lab	94.13, 3.59, 12.14
CIE LCh	94, 12.656, 73.514
Yxy	85.5830, 0.3393, 0.3490
Android (android.graphics.Color)	4294962135 (0xFFFFEBD7)
YUV	238.7000, -11.6841, 14.2951
Hunter-Lab	92.5111, -1.3517, 15.7701

Details

The Yxy color **85.5830, 0.3393, 0.3490** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0609, 0.2880, 0.3082**, and the grayscale version is **86.1527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7840, 0.3455, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **77.3456, 0.3594, 0.3625**, and if you desaturate by 10%, it is **94.5539, 0.3217, 0.3360**.

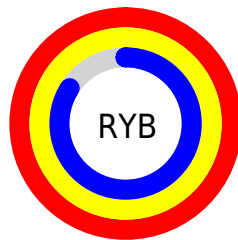
Distribution



Red (100%)

Green (92%)

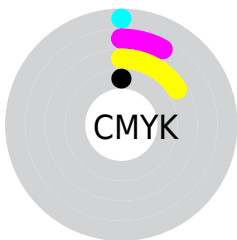
Blue (84%)



Red (100%)

Yellow (100%)

Blue (84%)

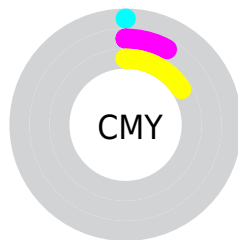


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5830, 0.3393, 0.3490 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 85.5830, 0.3393, 0.3490 by changing the saturation by 10% instead.


 85.5830, 0.3393,
0.3490

 85.5830, 0.3393,
0.3490

513.5552, 0.3273,
0.3401

 64.3232, 0.3420,
0.3510


141.1874, 0.3352,
0.3460

 46.9125, 0.3452,
0.3533


176.3009, 0.3336,
0.3448

 32.9665, 0.3493,
0.3563


216.8009, 0.3322,
0.3437

 22.1008, 0.3545,
0.3600

263.0721, 0.3310,
0.3428

 13.9310, 0.3615,
0.3650

315.4987, 0.3299,
0.3420

 8.0727, 0.3712,
0.3717

374.4652, 0.3289,

 4.1415, 0.3856,

0.3413

0.3815

440.3559, 0.3281,
0.3407

■ 1.7530, 0.4094,
0.3969

■ 0.4576, 0.5332,
0.4668

■ 85.5830, 0.3393,
0.3490

■ 85.5830, 0.3393,
0.3490

■ 77.3456, 0.3594,
0.3625

■ 94.5539, 0.3217,
0.3360

■ 69.8100, 0.3819,
0.3762

99.9921, 0.3127,
0.3290

■ 62.9587, 0.4069,
0.3894

■ 56.7688, 0.4337,
0.4012

■ 51.2163, 0.4615,
0.4104

■ 46.2746, 0.4889,
0.4156

■ 41.9146, 0.5140,
0.4158

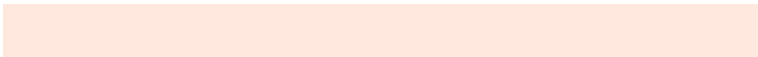
■ 38.1026, 0.5352,
0.4103

■ 36.6040, 0.5434,
0.4067

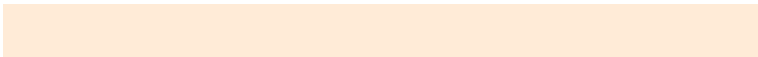
Harmonies

Analogous

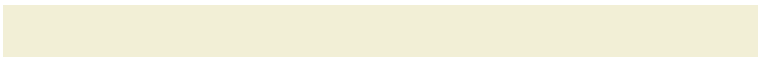
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5830, 0.3410, 0.3387



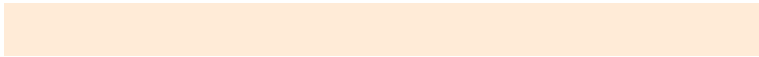
85.5830, 0.3393, 0.3490



85.5830, 0.3304, 0.3542

Triad

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



85.5830, 0.3393, 0.3490



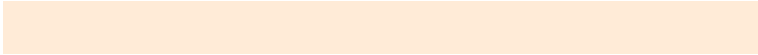
85.5830, 0.2910, 0.3312



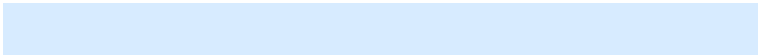
85.5830, 0.3081, 0.3069

Complementary

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



85.5830, 0.3393, 0.3490



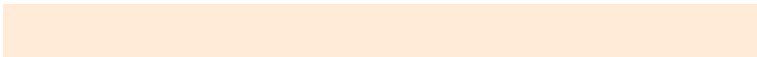
81.0609, 0.2880, 0.3082

Split Complementary

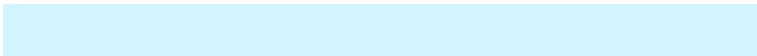
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5830, 0.2950, 0.3046



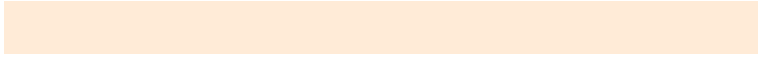
85.5830, 0.3393, 0.3490



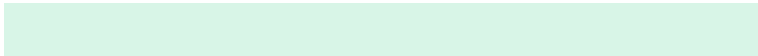
85.5830, 0.2853, 0.3183

Square

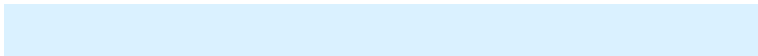
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5830, 0.3393, 0.3490



85.5830, 0.3025, 0.3439



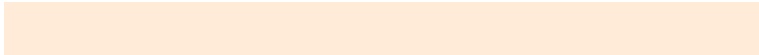
85.5830, 0.2867, 0.3086



85.5830, 0.3227, 0.3148

Rectangle

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



85.5830, 0.3393, 0.3490



85.5830, 0.3217, 0.3538



85.5830, 0.2867, 0.3086



85.5830, 0.3033, 0.3055

Sweetspot

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



85.5868, 0.3393, 0.3490



95.2114, 0.3206, 0.3352



75.8607, 0.3282, 0.3092



20.2383, 0.3217, 0.3361



0.0000, 0.0000, 0.0000



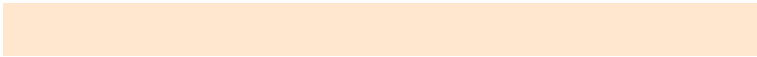
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5868, 0.3393, 0.3490



82.7891, 0.3457, 0.3535



97.6527, 0.3363, 0.3680



19.4900, 0.3282, 0.3409



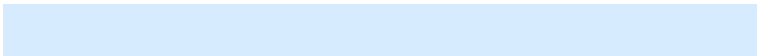
19.4321, 0.5408, 0.4088



2.1105, 0.5233, 0.4227

Inverse Universe

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



81.0609, 0.2880, 0.3082



77.4265, 0.2826, 0.3032



70.2786, 0.2872, 0.2868



18.8761, 0.2979, 0.3168



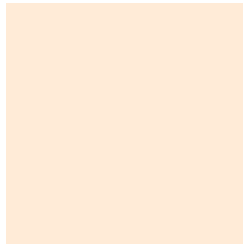
12.0443, 0.1770, 0.1571



1.3911, 0.1827, 0.1777

Previews

White Background



This preview shows how the Yxy color 85.5830, 0.3393, 0.3490 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 85.5830, 0.3393, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

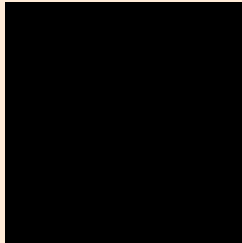
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5830, 0.3393, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 85.5830, 0.3393, 0.3490.

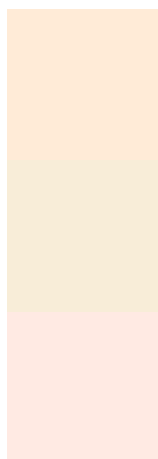


This preview shows how white text looks on a background with the Yxy color 85.5830, 0.3393, 0.3490.

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

85.5830, 0.3393, 0.3490

Protanopia

85.4827, 0.3335, 0.3503

Deuteranopia

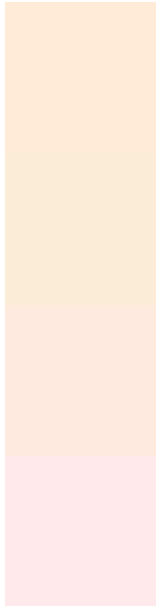
85.6517, 0.3316, 0.3360



Tritanopia

85.6270, 0.3194, 0.3154

Trichromacy



Original Color

85.5830, 0.3393, 0.3490

Protanomaly

85.4580, 0.3357, 0.3491

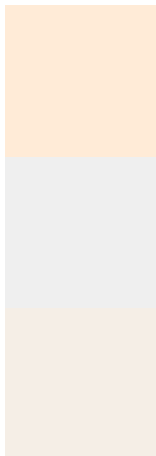
Deuteranomaly

85.4334, 0.3342, 0.3400

Tritanomaly

85.5360, 0.3265, 0.3271

Monochromacy



Original Color

85.5830, 0.3393, 0.3490

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.2747, 0.3224, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5830, 0.3393, 0.3490 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 215) }
```

Border

The CSS property to change the border of an element to Yxy 85.5830, 0.3393, 0.3490 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, 215) }
```

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

```
.border{ border-color:rgb(255, 235, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5830, 0.3393, 0.3490 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
235, 215) }
```

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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