

Converting Colors

$Y_{xy}(86.0272, 0.3345, 0.3417)$

Have a look what the booklet for
Yxy(86.0272, 0.3345, 0.3417)
contains.

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Color

Yxy(85.9506, 0.3347, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBDE
RGB	255, 235, 222
RGB Percent	100%, 92%, 87%
CMY	0.0002, 0.0783, 0.1295
CMYK	0.00, 0.08, 0.13, 0.00
HSL	24°, 100%, 94%
HSV	24°, 13%, 100%
XYZ	84.1160, 85.9506, 81.2510
YIQ	239.4980, 16.0930, 0.1970

Conversions

Conversions Part 2

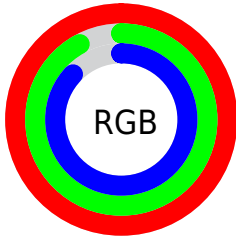
Format	Color
R _Y B	255, 243, 222
Decimal	16772062
CIE Lab	94.29, 4.65, 8.75
CIE LCh	94, 9.911, 61.998
Yxy	85.9506, 0.3347, 0.3420
Android (android.graphics.Color)	4294962142 (0xFFFFE8DE)
YUV	239.4980, -8.6265, 13.5953
Hunter-Lab	92.7095, -0.2875, 12.9347

Details

The Yxy color **85.9506, 0.3347, 0.3420** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.1895, 0.2925, 0.3156**, and the grayscale version is **86.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0360, 0.3395, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **76.2446, 0.3550, 0.3527**, and if you desaturate by 10%, it is **96.6350, 0.3173, 0.3318**.

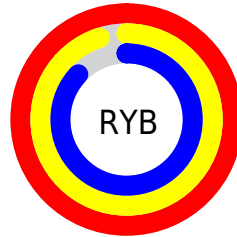
Distribution



Red (100%)

Green (92%)

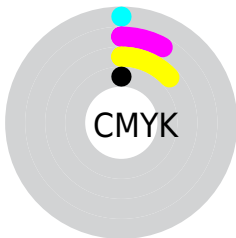
Blue (87%)



Red (100%)

Yellow (95%)

Blue (87%)

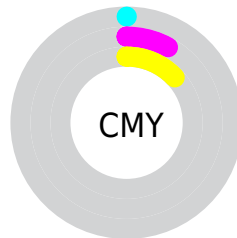


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9506, 0.3347, 0.3420 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 85.9506, 0.3347, 0.3420 by changing the saturation by 10% instead.


 85.9506, 0.3347,
0.3420

 85.9506, 0.3347,
0.3420


514.7683, 0.3248,
0.3362

 64.6271, 0.3369,
0.3433


141.7005, 0.3313,
0.3400

 47.1588, 0.3396,
0.3448


176.8958, 0.3300,
0.3393

 33.1612, 0.3430,
0.3467


217.4838, 0.3288,
0.3386

 22.2500, 0.3473,
0.3491

263.8489, 0.3278,
0.3380

 14.0407, 0.3531,
0.3523

316.3755, 0.3269,
0.3375

 8.1490, 0.3612,
0.3566

375.4480, 0.3261,

 4.1904, 0.3734,

0.3370

0.3629

441.4508, 0.3254,
0.3366

■ 1.7806, 0.3934,
0.3726

■ 0.4751, 0.5433,
0.4567

■ 85.9506, 0.3347,
0.3420

■ 85.9506, 0.3347,
0.3420

■ 76.2446, 0.3550,
0.3527

■ 96.6350, 0.3173,
0.3318

■ 67.4771, 0.3784,
0.3637

99.9896, 0.3127,
0.3290

■ 59.6218, 0.4052,
0.3744

■ 52.6470, 0.4350,
0.3841

■ 46.5189, 0.4672,
0.3917

■ 41.2010, 0.5001,
0.3958

■ 36.6537, 0.5313,
0.3952

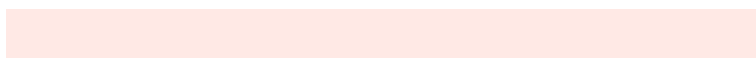
■ 32.8323, 0.5583,
0.3892

■ 30.5341, 0.5742,
0.3823

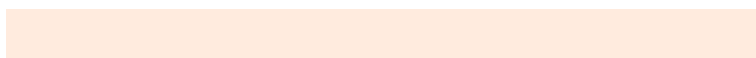
Harmonies

Analogous

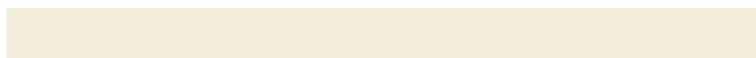
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9506, 0.3336, 0.3330



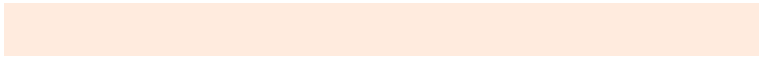
85.9506, 0.3347, 0.3420



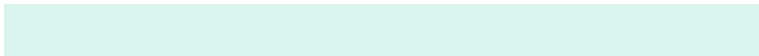
85.9506, 0.3298, 0.3477

Triad

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



85.9506, 0.3347, 0.3420



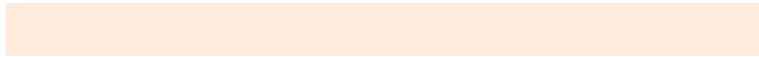
85.9506, 0.2987, 0.3348



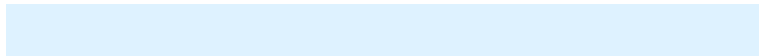
85.9506, 0.3049, 0.3104

Complementary

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



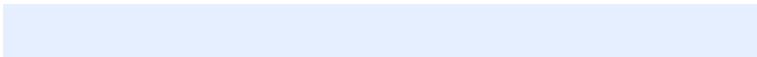
85.9506, 0.3347, 0.3420



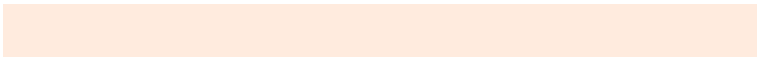
86.1895, 0.2925, 0.3156

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.



85.9506, 0.2958, 0.3105



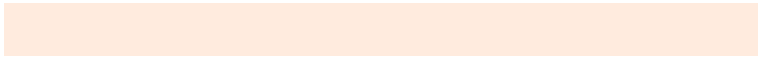
85.9506, 0.3347, 0.3420



85.9506, 0.2923, 0.3244

Square

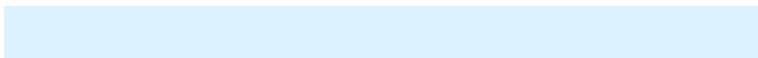
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9506, 0.3347, 0.3420



85.9506, 0.3089, 0.3437



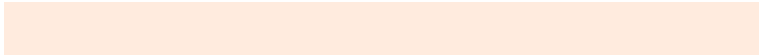
85.9506, 0.2912, 0.3156



85.9506, 0.3162, 0.3150

Rectangle

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



85.9506, 0.3347, 0.3420



85.9506, 0.3238, 0.3488



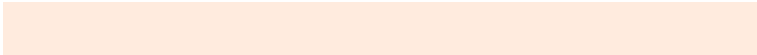
85.9506, 0.2912, 0.3156



85.9506, 0.3015, 0.3099

Sweetspot

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



85.9544, 0.3347, 0.3420



95.4905, 0.3190, 0.3329



79.9127, 0.3225, 0.3090



20.2612, 0.3203, 0.3337



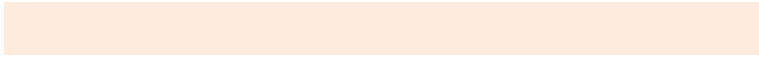
0.0000, 0.0000, 0.0000



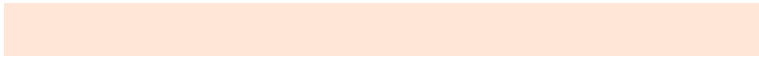
21.4041, 0.3127, 0.3290

Same Dimension

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



85.9544, 0.3347, 0.3420



82.9109, 0.3406, 0.3452



95.5794, 0.3326, 0.3575



19.1663, 0.3284, 0.3385



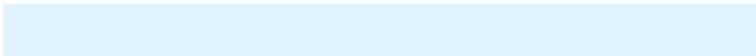
16.2334, 0.5713, 0.3846



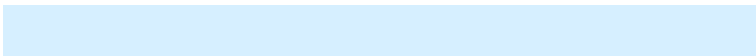
1.7866, 0.5503, 0.4012

Inverse Universe

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



86.1895, 0.2925, 0.3156



83.1946, 0.2877, 0.3122



77.0431, 0.2921, 0.2988



19.2043, 0.2979, 0.3194



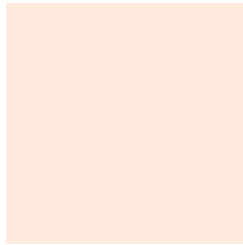
16.1650, 0.1871, 0.1935



1.7873, 0.1918, 0.2106

Previews

White Background



This preview shows how the Yxy color 85.9506, 0.3347, 0.3420 looks on a white background.

Color Contrast Check

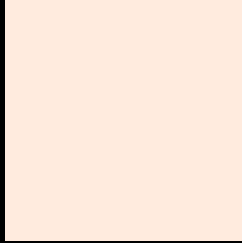
Large Text (above 18pt) WCAG AA × Fail

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 85.9506, 0.3347, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

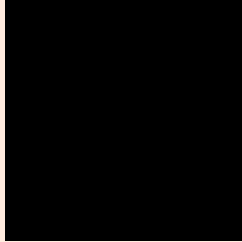
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.9506, 0.3347, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 85.9506, 0.3347, 0.3420.

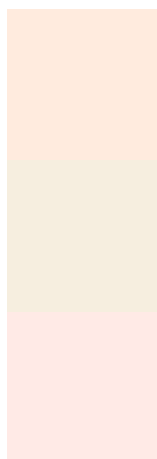


This preview shows how white text looks on a background with the Yxy color 85.9506, 0.3347, 0.3420.

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

85.9506, 0.3347, 0.3420

Protanopia

86.0696, 0.3275, 0.3442

Deuteranopia

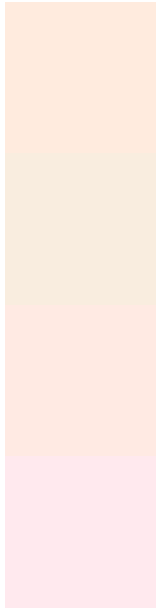
85.8188, 0.3296, 0.3330



Tritanopia

85.6886, 0.3188, 0.3144

Trichromacy



Original Color

85.9506, 0.3347, 0.3420

Protanomaly

86.0358, 0.3297, 0.3431

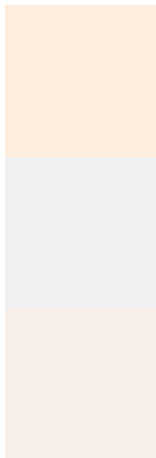
Deuteranomaly

85.6517, 0.3316, 0.3360

Tritanomaly

85.7109, 0.3245, 0.3241

Monochromacy



Original Color

85.9506, 0.3347, 0.3420

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.4447, 0.3205, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9506, 0.3347, 0.3420 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 222) }
```

Border

The CSS property to change the border of an element to Yxy 85.9506, 0.3347, 0.3420 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, 222) }
```

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

```
.border{ border-color:rgb(255, 235, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9506, 0.3347, 0.3420 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, 222) }
```

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

```
.background{ background-color: rgb(255,  
235, 222) }
```

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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