

Converting Colors

$Y_{xy}(93.7365, 0.3677, 0.3487)$

Have a look what the booklet for
Yxy(93.7365, 0.3677, 0.3487)
contains.

Yxy(85.5317, 0.3400, 0.3500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.5317, 0.3400, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBD6
RGB	255, 235, 214
RGB Percent	100%, 92%, 84%
CMY	0.0000, 0.0784, 0.1607
CMYK	0.00, 0.08, 0.16, 0.00
HSL	31°, 100%, 92%
HSV	31°, 16%, 100%
XYZ	83.0879, 85.5317, 75.7566
YIQ	238.5860, 18.6610, -2.2910

Conversions

Conversions Part 2

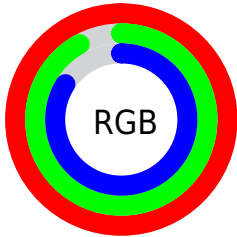
Format	Color
R _Y B	253, 255, 214
Decimal	16772054
CIE Lab	94.11, 3.46, 12.63
CIE LCh	94, 13.093, 74.662
Yxy	85.5317, 0.3400, 0.3500
Android (android.graphics.Color)	4294962134 (0xFFFFEBD6)
YUV	238.5860, -12.1209, 14.3951
Hunter-Lab	92.4833, -1.4797, 16.1716

Details

The Yxy color **85.5317, 0.3400, 0.3500** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3695, 0.2874, 0.3071**, and the grayscale version is **86.0654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.7492, 0.3464, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **77.4555, 0.3600, 0.3638**, and if you desaturate by 10%, it is **94.3164, 0.3223, 0.3367**.

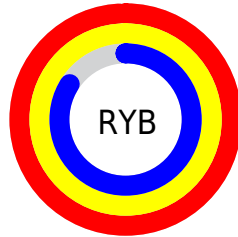
Distribution



Red (100%)

Green (92%)

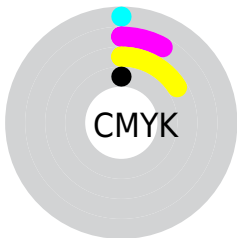
Blue (84%)



Red (99%)

Yellow (100%)

Blue (84%)

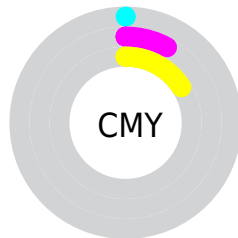


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.5317, 0.3400, 0.3500 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 85.5317, 0.3400, 0.3500 by changing the saturation by 10% instead.


 85.5317, 0.3400,
0.3500

 85.5317, 0.3400,
0.3500


513.3858, 0.3277,
0.3406

 64.2808, 0.3427,
0.3521

141.1158, 0.3358,
0.3468

 46.8781, 0.3461,
0.3545


176.2178, 0.3341,
0.3456

 32.9393, 0.3503,
0.3576


216.7056, 0.3327,
0.3445

 22.0800, 0.3556,
0.3616

262.9636, 0.3314,
0.3435

 13.9157, 0.3628,
0.3668

315.3763, 0.3303,
0.3427

 8.0620, 0.3727,
0.3739

374.3279, 0.3294,

 4.1347, 0.3875,

0.3419

0.3841

440.2030, 0.3285,
0.3413

■ 1.7492, 0.4120,
0.4006

■ 0.4552, 0.5319,
0.4681

■ 85.5317, 0.3400,
0.3500

■ 85.5317, 0.3400,
0.3500

■ 77.4555, 0.3600,
0.3638

■ 94.3164, 0.3223,
0.3367

■ 70.0587, 0.3825,
0.3778

100.0000, 0.3127,
0.3290

■ 63.3239, 0.4073,
0.3913

■ 57.2292, 0.4338,
0.4032

■ 51.7510, 0.4611,
0.4125

■ 46.8637, 0.4878,
0.4178

■ 42.5390, 0.5123,
0.4180

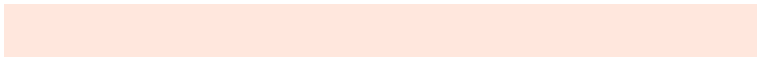
■ 38.7438, 0.5328,
0.4126

■ 37.3835, 0.5400,
0.4094

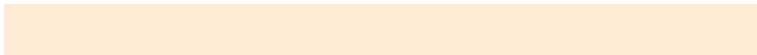
Harmonies

Analogous

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



85.5317, 0.3420, 0.3395



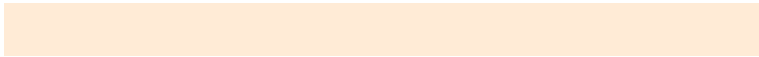
85.5317, 0.3400, 0.3500



85.5317, 0.3305, 0.3551

Triad

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



85.5317, 0.3400, 0.3500



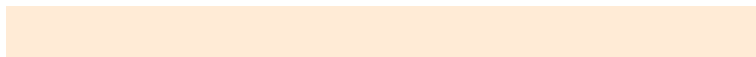
85.5317, 0.2899, 0.3308



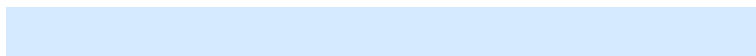
85.5317, 0.3085, 0.3064

Complementary

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



85.5317, 0.3400, 0.3500



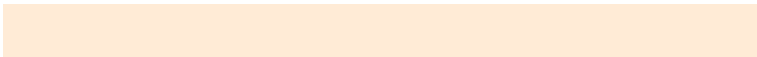
80.3695, 0.2874, 0.3071

Split Complementary

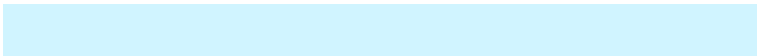
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5317, 0.2948, 0.3038



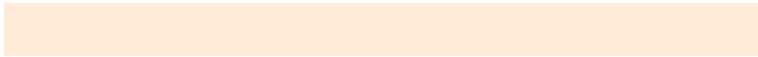
85.5317, 0.3400, 0.3500



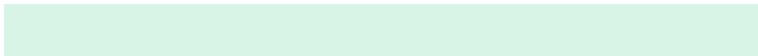
85.5317, 0.2843, 0.3174

Square

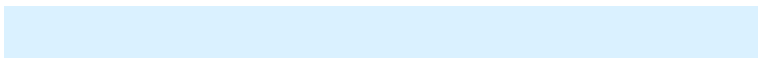
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5317, 0.3400, 0.3500



85.5317, 0.3016, 0.3440



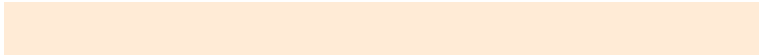
85.5317, 0.2860, 0.3076



85.5317, 0.3236, 0.3147

Rectangle

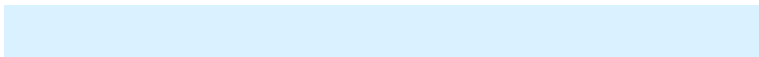
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5317, 0.3400, 0.3500



85.5317, 0.3214, 0.3546



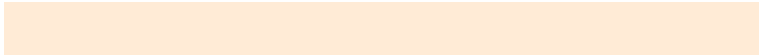
85.5317, 0.2860, 0.3076



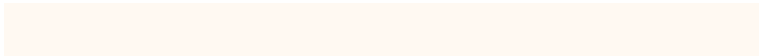
85.5317, 0.3036, 0.3048

Sweetspot

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



85.5348, 0.3400, 0.3500



95.3011, 0.3206, 0.3353



75.3300, 0.3286, 0.3086



20.2601, 0.3217, 0.3362



0.0000, 0.0000, 0.0000



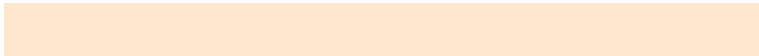
21.4041, 0.3127, 0.3290

Same Dimension

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



85.5348, 0.3400, 0.3500



83.0981, 0.3456, 0.3540



97.6358, 0.3369, 0.3691



19.5254, 0.3281, 0.3412



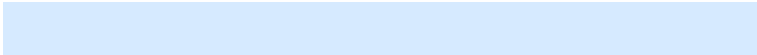
19.8339, 0.5375, 0.4114



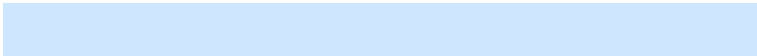
2.1499, 0.5204, 0.4250

Inverse Universe

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



80.3695, 0.2874, 0.3071



77.1186, 0.2826, 0.3026



69.6185, 0.2864, 0.2855



18.8408, 0.2979, 0.3165



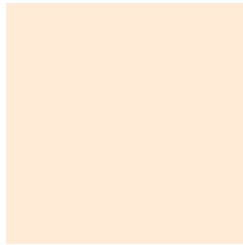
11.6550, 0.1759, 0.1533



1.3526, 0.1817, 0.1742

Previews

White Background



This preview shows how the Yxy color 85.5317, 0.3400, 0.3500 looks on a white background.

Color Contrast Check

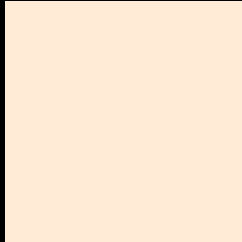
Large Text (above 18pt) WCAG AA × Fail

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 85.5317, 0.3400, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

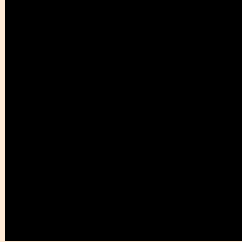
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5317, 0.3400, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 85.5317, 0.3400, 0.3500.

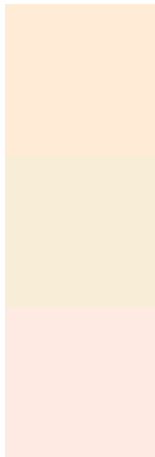


This preview shows how white text looks on a background with the Yxy color 85.5317, 0.3400, 0.3500.

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

85.5317, 0.3400, 0.3500

Protanopia

85.4311, 0.3341, 0.3513

Deuteranopia

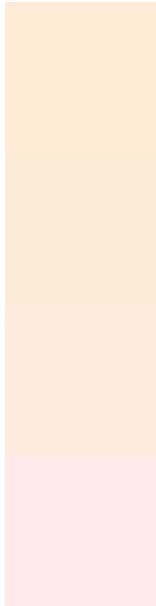
85.6517, 0.3316, 0.3360



Tritanopia

85.6270, 0.3194, 0.3154

Trichromacy



Original Color

85.5317, 0.3400, 0.3500

Protanomaly

85.4064, 0.3364, 0.3502

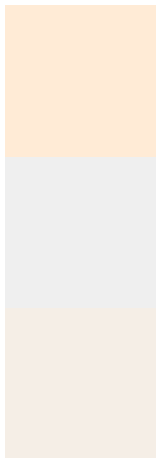
Deuteranomaly

85.3796, 0.3349, 0.3410

Tritanomaly

85.4783, 0.3271, 0.3281

Monochromacy



Original Color

85.5317, 0.3400, 0.3500

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 85.5317, 0.3400, 0.3500 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 214) }
```

Border

The CSS property to change the border of an element to Yxy 85.5317, 0.3400, 0.3500 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, 214) }
```

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

```
.border{ border-color:rgb(255, 235, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5317, 0.3400, 0.3500 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, 214) }
```

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

```
.background{ background-color: rgb(255,  
235, 214) }
```

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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