

Converting Colors

$Y_{xy}(86.7578, 0.3436, 0.3441)$

Have a look what the booklet for
Yxy(86.7578, 0.3436, 0.3441)
contains.

Yxy(85.1676, 0.3375, 0.3450)	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(85.1676, 0.3375, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	FFEADA
RGB	255, 234, 218
RGB Percent	100%, 92%, 85%
CMY	0.0000, 0.0823, 0.1451
CMYK	0.00, 0.08, 0.15, 0.00
HSL	26°, 100%, 93%
HSV	26°, 15%, 100%
XYZ	83.3161, 85.1676, 78.3789
YIQ	238.4550, 17.6520, -0.5240

Conversions

Conversions Part 2

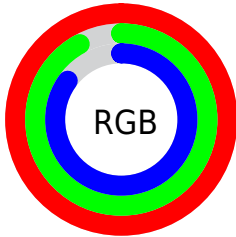
Format	Color
R _Y B	255, 246, 218
Decimal	16771802
CIE Lab	93.96, 4.57, 10.33
CIE LCh	94, 11.302, 66.122
Yxy	85.1676, 0.3375, 0.3450
Android (android.graphics.Color)	4294961882 (0xFFFEADA)
YUV	238.4550, -10.0843, 14.5100
Hunter-Lab	92.2863, -0.3511, 14.2453

Details

The Yxy color **85.1676, 0.3375, 0.3450** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.8528, 0.2900, 0.3125**, and the grayscale version is **85.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4909, 0.3432, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **76.0331, 0.3579, 0.3567**, and if you desaturate by 10%, it is **95.1877, 0.3198, 0.3338**.

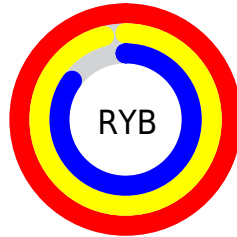
Distribution



Red (100%)

Green (92%)

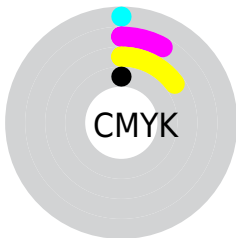
Blue (85%)



Red (100%)

Yellow (96%)

Blue (85%)

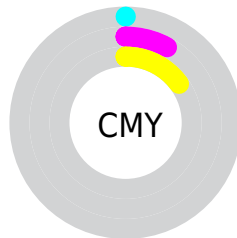


Cyan (0%)

Magenta (8%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1676, 0.3375, 0.3450 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 85.1676, 0.3375, 0.3450 by changing the saturation by 10% instead.

 85.1676, 0.3375,
0.3450

 85.1676, 0.3375,
0.3450

512.1825, 0.3263,
0.3379

 63.9799, 0.3400,
0.3466


140.6073, 0.3337,
0.3426

 46.6344, 0.3431,
0.3484

175.6281, 0.3322,
0.3416

 32.7467, 0.3469,
0.3508


216.0287, 0.3309,
0.3408

 21.9325, 0.3518,
0.3538

262.1935, 0.3297,
0.3401

 13.8073, 0.3584,
0.3577

314.5068, 0.3287,
0.3394

 7.9868, 0.3675,
0.3631

373.3532, 0.3278,

 4.0865, 0.3813,

0.3389

0.3708

439.1170, 0.3270,
0.3384

1.7221, 0.4039,
0.3828

0.4379, 0.5466,
0.4534

85.1676, 0.3375,
0.3450

85.1676, 0.3375,
0.3450

76.0331, 0.3579,
0.3567

95.1877, 0.3198,
0.3338

67.7475, 0.3813,
0.3687

99.9989, 0.3127,
0.3290

60.2879, 0.4076,
0.3803

53.6260, 0.4366,
0.3906

■ 47.7318, 0.4674,
0.3986

■ 42.5727, 0.4983,
0.4029

■ 38.1129, 0.5273,
0.4022

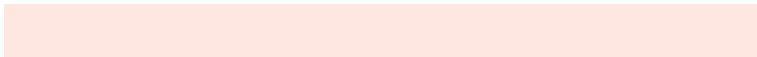
■ 34.3121, 0.5519,
0.3959

■ 32.4813, 0.5636,
0.3907

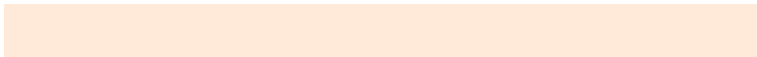
Harmonies

Analogous

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



85.1676, 0.3372, 0.3351



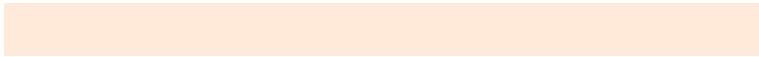
85.1676, 0.3375, 0.3450



85.1676, 0.3310, 0.3509

Triad

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



85.1676, 0.3375, 0.3450



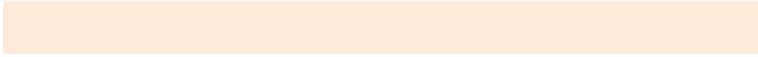
85.1676, 0.2954, 0.3340



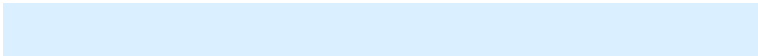
85.1676, 0.3054, 0.3082

Complementary

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



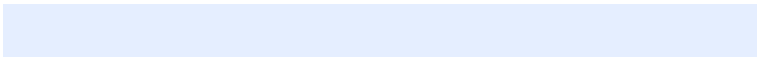
85.1676, 0.3375, 0.3450



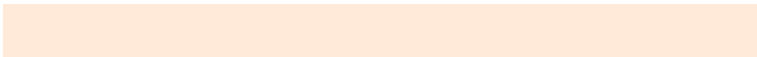
83.8528, 0.2900, 0.3125

Split Complementary

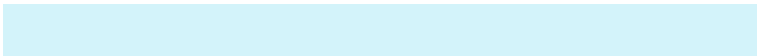
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1676, 0.2945, 0.3075



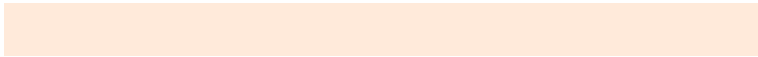
85.1676, 0.3375, 0.3450



85.1676, 0.2888, 0.3221

Square

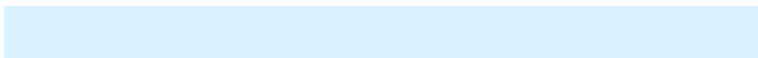
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1676, 0.3375, 0.3450



85.1676, 0.3066, 0.3446



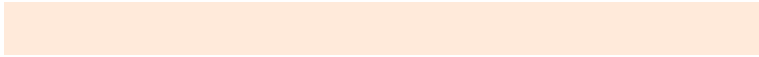
85.1676, 0.2885, 0.3125



85.1676, 0.3185, 0.3141

Rectangle

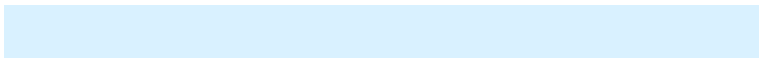
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1676, 0.3375, 0.3450



85.1676, 0.3238, 0.3516



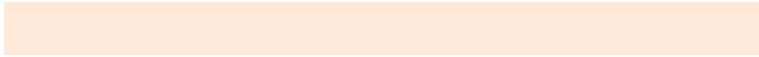
85.1676, 0.2885, 0.3125



85.1676, 0.3014, 0.3073

Sweetspot

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



85.1714, 0.3375, 0.3450



95.7236, 0.3190, 0.3333



77.6702, 0.3247, 0.3077



20.3201, 0.3203, 0.3341



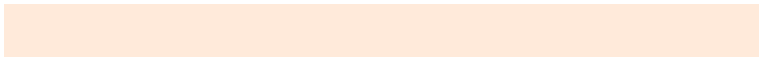
0.0000, 0.0000, 0.0000



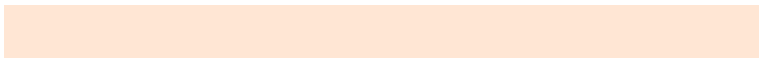
21.4041, 0.3127, 0.3290

Same Dimension

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



85.1714, 0.3375, 0.3450



82.8156, 0.3423, 0.3479



95.8865, 0.3350, 0.3622



19.2797, 0.3283, 0.3393



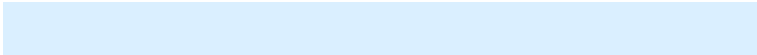
17.2566, 0.5607, 0.3930



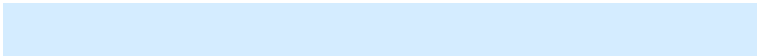
1.8925, 0.5408, 0.4088

Inverse Universe

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



83.8528, 0.2900, 0.3125



81.2967, 0.2860, 0.3093



73.8842, 0.2893, 0.2935



19.0883, 0.2979, 0.3185



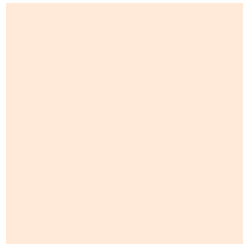
14.6042, 0.1835, 0.1805



1.6393, 0.1886, 0.1989

Previews

White Background



This preview shows how the Yxy color 85.1676, 0.3375, 0.3450 looks on a white background.

Color Contrast Check

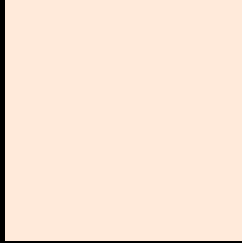
Large Text (above 18pt) WCAG AA × Fail

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 85.1676, 0.3375, 0.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

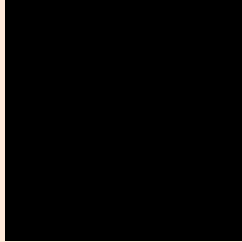
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1676, 0.3375, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 85.1676, 0.3375, 0.3450.

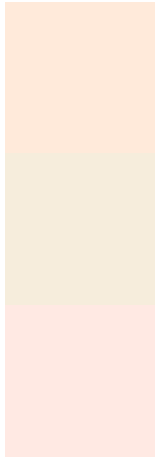


This preview shows how white text looks on a background with the Yxy color 85.1676, 0.3375, 0.3450.

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

85.1676, 0.3375, 0.3450

Protanopia

85.3285, 0.3295, 0.3462

Deuteranopia

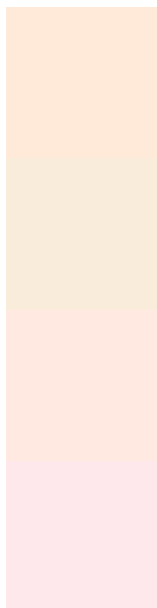
85.0839, 0.3317, 0.3350



Tritanopia

85.0656, 0.3195, 0.3144

Trichromacy



Original Color

85.1676, 0.3375, 0.3450

Protanomaly

85.2451, 0.3324, 0.3462

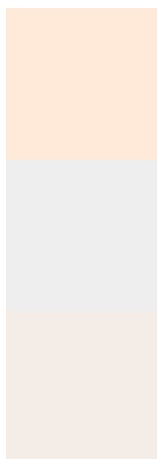
Deuteranomaly

84.9196, 0.3337, 0.3380

Tritanomaly

85.0294, 0.3259, 0.3251

Monochromacy



Original Color

85.1676, 0.3375, 0.3450

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5710, 0.3212, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1676, 0.3375, 0.3450 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, 234, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 218)  
}
```

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, 234, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 218) }
```

Border

The CSS property to change the border of an element to Yxy 85.1676, 0.3375, 0.3450 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, 234, 218) }
```

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

```
.border{ border-color:rgb(255, 234, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1676, 0.3375, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 218) }
```

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

```
.background{ background-color: rgb(255,  
234, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor