

Converting Colors

$Y_{xy}(100.0000, 0.3788, 0.3429)$

Have a look what the booklet for
Yxy(100.0000, 0.3788, 0.3429)
contains.

Yxy(86.4182, 0.3359, 0.3449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.4182, 0.3359, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	FFECDC
RGB	255, 236, 220
RGB Percent	100%, 93%, 86%
CMY	0.0000, 0.0745, 0.1371
CMYK	0.00, 0.07, 0.14, 0.00
HSL	27°, 100%, 93%
HSV	27°, 14%, 100%
XYZ	84.1632, 86.4182, 79.9788
YIQ	239.8570, 16.4600, -0.9480

Conversions

Conversions Part 2

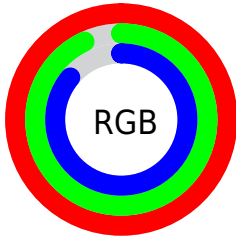
Format	Color
R_{YB}	255, 249, 220
Decimal	16772316
CIE Lab	94.49, 3.88, 10.05
CIE LCh	94, 10.771, 68.871
Yxy	86.4182, 0.3359, 0.3449
Android (android.graphics.Color)	4294962396 (0xFFFFE CDC)
YUV	239.8570, -9.7895, 13.2804
Hunter-Lab	92.9614, -1.0764, 14.0632

Details

The Yxy color **86.4182, 0.3359, 0.3449** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.1981, 0.2912, 0.3126**, and the grayscale version is **87.0887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.3649, 0.3410, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **77.4939, 0.3558, 0.3572**, and if you desaturate by 10%, it is **96.1673, 0.3185, 0.3332**.

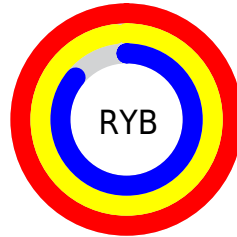
Distribution



Red (100%)

Green (93%)

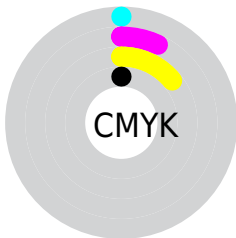
Blue (86%)



Red (100%)

Yellow (98%)

Blue (86%)

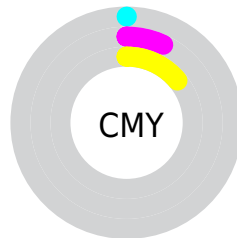


Cyan (0%)

Magenta (7%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4182, 0.3359, 0.3449 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 86.4182, 0.3359, 0.3449 by changing the saturation by 10% instead.


 86.4182, 0.3359,
0.3449

 86.4182, 0.3359,
0.3449


516.3092, 0.3255,
0.3378

 65.0138, 0.3382,
0.3464


142.3529, 0.3323,
0.3425

 47.4723, 0.3411,
0.3483


177.6521, 0.3309,
0.3416

 33.4092, 0.3446,
0.3507


218.3517, 0.3297,
0.3407

 22.4401, 0.3492,
0.3536

264.8360, 0.3286,
0.3400

 14.1806, 0.3552,
0.3575

317.4895, 0.3277,
0.3394

 8.2464, 0.3637,
0.3629

376.6966, 0.3269,

 4.2530, 0.3763,

0.3388

0.3706

442.8417, 0.3261,
0.3383

■ 1.8161, 0.3969,
0.3826

■ 0.4972, 0.5330,
0.4670

■ 86.4182, 0.3359,
0.3449

■ 86.4182, 0.3359,
0.3449

■ 77.4939, 0.3558,
0.3572

■ 96.1673, 0.3185,
0.3332

■ 69.3722, 0.3786,
0.3698

100.0000, 0.3127,
0.3290

■ 62.0282, 0.4042,
0.3820

■ 55.4360, 0.4322,
0.3931

■ 49.5679, 0.4618,
0.4019

■ 44.3941, 0.4916,
0.4070

■ 39.8817, 0.5196,
0.4073

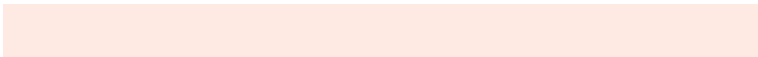
■ 35.9937, 0.5436,
0.4019

■ 33.8427, 0.5566,
0.3963

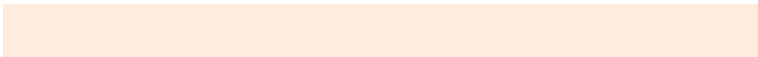
Harmonies

Analogous

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



86.4182, 0.3363, 0.3357



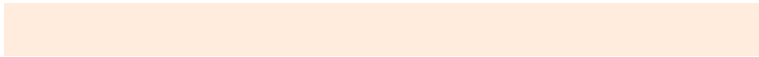
86.4182, 0.3359, 0.3449



86.4182, 0.3292, 0.3500

Triad

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



86.4182, 0.3359, 0.3449



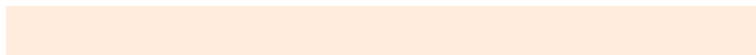
86.4182, 0.2955, 0.3327



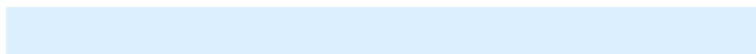
86.4182, 0.3069, 0.3095

Complementary

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



86.4182, 0.3359, 0.3449



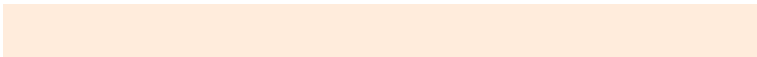
84.1981, 0.2912, 0.3126

Split Complementary

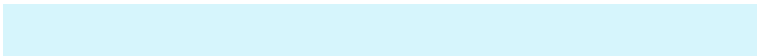
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4182, 0.2962, 0.3084



86.4182, 0.3359, 0.3449



86.4182, 0.2898, 0.3215

Square

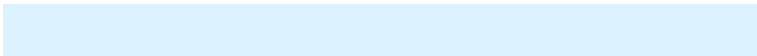
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4182, 0.3359, 0.3449



86.4182, 0.3058, 0.3430



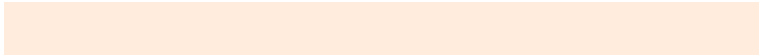
86.4182, 0.2900, 0.3127



86.4182, 0.3193, 0.3156

Rectangle

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



86.4182, 0.3359, 0.3449



86.4182, 0.3222, 0.3503



86.4182, 0.2900, 0.3127



86.4182, 0.3030, 0.3086

Sweetspot

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



86.4179, 0.3359, 0.3449



95.8739, 0.3190, 0.3335



78.7133, 0.3248, 0.3100



20.3581, 0.3202, 0.3344



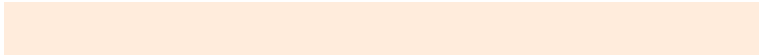
0.0000, 0.0000, 0.0000



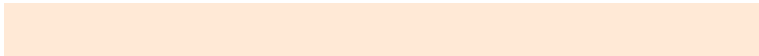
21.4041, 0.3127, 0.3290

Same Dimension

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



86.4179, 0.3359, 0.3449



84.3033, 0.3402, 0.3477



96.8389, 0.3336, 0.3614



19.3530, 0.3283, 0.3399



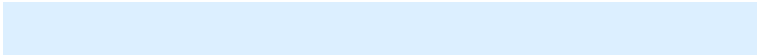
17.9736, 0.5538, 0.3985



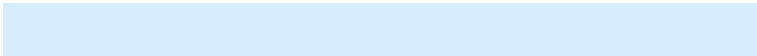
1.9652, 0.5347, 0.4137

Inverse Universe

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



84.1981, 0.2912, 0.3126



81.7541, 0.2876, 0.3096



74.5696, 0.2907, 0.2944



19.0139, 0.2979, 0.3179



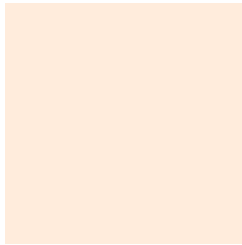
13.6635, 0.1812, 0.1722



1.5489, 0.1865, 0.1914

Previews

White Background



This preview shows how the Yxy color 86.4182, 0.3359, 0.3449 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 86.4182, 0.3359, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

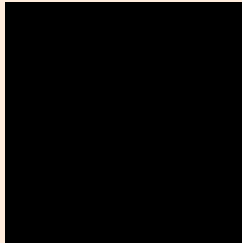
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.4182, 0.3359, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 86.4182, 0.3359, 0.3449.

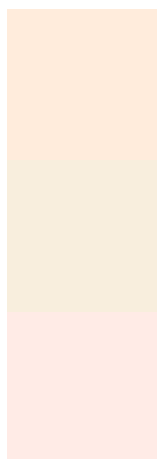


This preview shows how white text looks on a background with the Yxy color 86.4182, 0.3359, 0.3449.

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

86.4182, 0.3359, 0.3449

Protanopia

86.3260, 0.3302, 0.3461

Deuteranopia

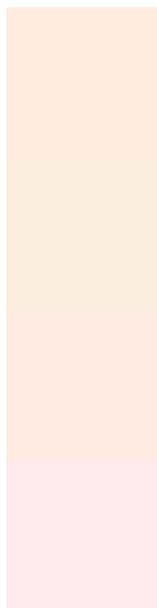
86.3898, 0.3295, 0.3340



Tritanopia

86.3151, 0.3181, 0.3144

Trichromacy



Original Color

86.4182, 0.3359, 0.3449

Protanomaly

86.2981, 0.3323, 0.3451

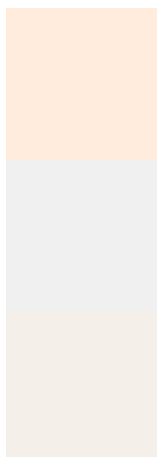
Deuteranomaly

86.1676, 0.3321, 0.3380

Tritanomaly

86.2787, 0.3244, 0.3251

Monochromacy



Original Color

86.4182, 0.3359, 0.3449

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0287, 0.3204, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4182, 0.3359, 0.3449 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, 236, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 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, 236, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 220) }
```

Border

The CSS property to change the border of an element to Yxy 86.4182, 0.3359, 0.3449 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, 236, 220) }
```

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

```
.border{ border-color:rgb(255, 236, 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, 236, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4182, 0.3359, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 220) }
```

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

```
.background{ background-color: rgb(255,  
236, 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](#).

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