

Converting Colors

$Y_{xy}(100.0000, 0.3663, 0.3482)$

Have a look what the booklet for
Yxy(100.0000, 0.3663, 0.3482)
contains.

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Color

Yxy(89.9847, 0.3344, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2DD
RGB	255, 242, 221
RGB Percent	100%, 95%, 87%
CMY	0.0003, 0.0509, 0.1333
CMYK	0.00, 0.05, 0.13, 0.00
HSL	37°, 100%, 93%
HSV	37°, 13%, 100%
XYZ	86.0231, 89.9847, 81.2383
YIQ	243.4930, 14.4890, -3.7750

Conversions

Conversions Part 2

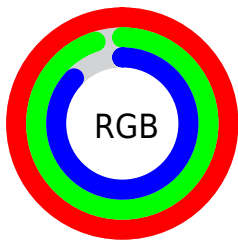
Format	Color
R _Y B	242, 255, 221
Decimal	16773853
CIE Lab	95.99, 0.93, 11.69
CIE LCh	96, 11.727, 85.451
Yxy	89.9847, 0.3344, 0.3498
Android (android.graphics.Color)	4294963933 (0xFFFFF2DD)
YUV	243.4930, -11.0890, 10.0916
Hunter-Lab	94.8603, -4.1345, 15.6262

Details

The Yxy color **89.9847, 0.3344, 0.3498** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.3740, 0.2917, 0.3073**, and the grayscale version is **90.1180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8768, 0.3390, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **83.1133, 0.3528, 0.3662**, and if you desaturate by 10%, it is **97.3761, 0.3178, 0.3340**.

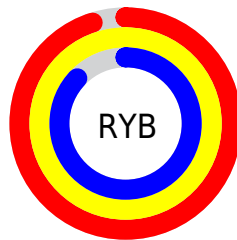
Distribution



Red (100%)

Green (95%)

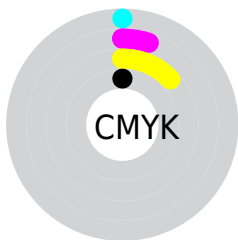
Blue (87%)



Red (95%)

Yellow (100%)

Blue (87%)

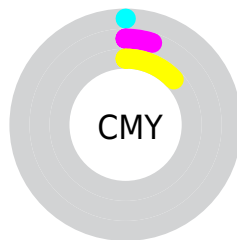


Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9847, 0.3344, 0.3498 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 89.9847, 0.3344, 0.3498 by changing the saturation by 10% instead.


 89.9847, 0.3344,
0.3498

 89.9847, 0.3344,
0.3498


527.9811, 0.3247,
0.3406

 67.9680, 0.3365,
0.3518

147.3171, 0.3311,
0.3467

 49.8717, 0.3391,
0.3543


183.4016, 0.3298,
0.3454

 35.3114, 0.3423,
0.3573


224.9441, 0.3287,
0.3443

 23.9029, 0.3464,
0.3612

272.3291, 0.3277,
0.3434

 15.2616, 0.3519,
0.3663

325.9409, 0.3268,
0.3426

 9.0032, 0.3593,
0.3734

386.1639, 0.3261,

 4.7433, 0.3702,

0.3418

453.3825, 0.3254,
0.3412

0.3836

■ 2.0974, 0.3875,
0.3996

■ 0.6632, 0.4961,
0.5039

■ 89.9847, 0.3344,
0.3498

■ 89.9847, 0.3344,
0.3498

■ 83.1133, 0.3528,
0.3662

■ 97.3761, 0.3178,
0.3340

■ 76.7361, 0.3731,
0.3829

99.9865, 0.3127,
0.3290

■ 70.8422, 0.3948,
0.3991

■ 65.4158, 0.4175,
0.4141

■ 60.4401, 0.4404,
0.4265

■ 55.8962, 0.4624,
0.4353

■ 51.7633, 0.4822,
0.4394

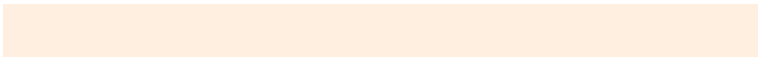
■ 48.0170, 0.4988,
0.4380

■ 45.7056, 0.5082,
0.4347

Harmonies

Analogous

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



89.9847, 0.3387, 0.3420



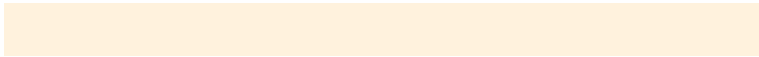
89.9847, 0.3344, 0.3498



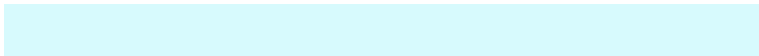
89.9847, 0.3243, 0.3521

Triad

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



89.9847, 0.3344, 0.3498



89.9847, 0.2901, 0.3262



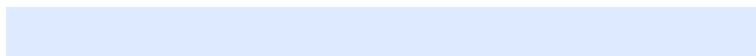
89.9847, 0.3138, 0.3111

Complementary

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



89.9847, 0.3344, 0.3498



81.3740, 0.2917, 0.3073

Split Complementary

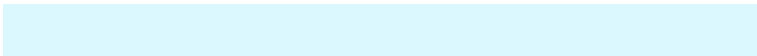
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9847, 0.3009, 0.3069



89.9847, 0.3344, 0.3498



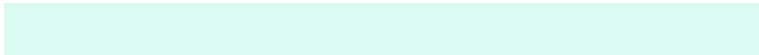
89.9847, 0.2874, 0.3152

Square

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



89.9847, 0.3344, 0.3498



89.9847, 0.2987, 0.3383



89.9847, 0.2913, 0.3083



89.9847, 0.3267, 0.3199

Rectangle

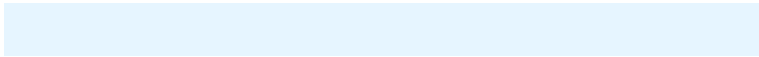
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9847, 0.3344, 0.3498



89.9847, 0.3156, 0.3500



89.9847, 0.2913, 0.3083



89.9847, 0.3094, 0.3091

Sweetspot

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



89.9887, 0.3344, 0.3498



96.9112, 0.3189, 0.3351



78.8988, 0.3282, 0.3161



20.6207, 0.3201, 0.3363



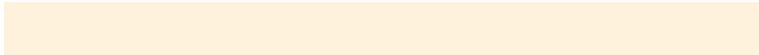
0.0000, 0.0000, 0.0000



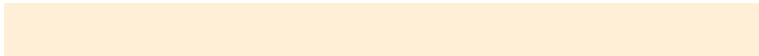
21.4041, 0.3127, 0.3290

Same Dimension

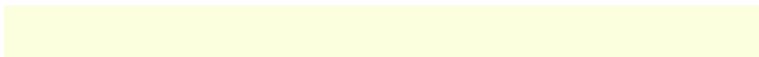
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9887, 0.3344, 0.3498



88.1453, 0.3392, 0.3542



97.1987, 0.3301, 0.3623



19.8625, 0.3279, 0.3437



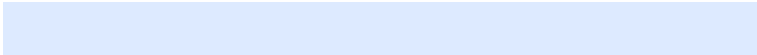
24.1944, 0.5064, 0.4361



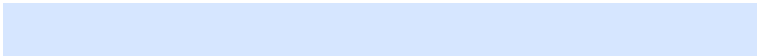
2.5667, 0.4938, 0.4461

Inverse Universe

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



81.3740, 0.2917, 0.3073



77.9788, 0.2873, 0.3025



74.9274, 0.2939, 0.2939



18.5095, 0.2979, 0.3139



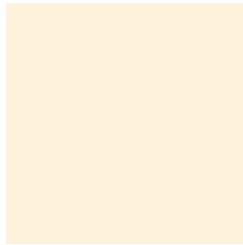
8.4990, 0.1667, 0.1201



1.0303, 0.1730, 0.1426

Previews

White Background



This preview shows how the Yxy color 89.9847, 0.3344, 0.3498 looks on a white background.

Color Contrast Check

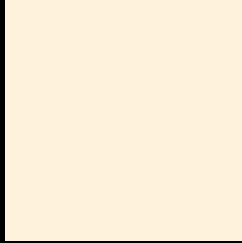
Large Text (above 18pt) WCAG AA × Fail

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 89.9847, 0.3344, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

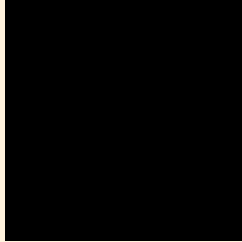
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.9847, 0.3344, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 89.9847, 0.3344, 0.3498.

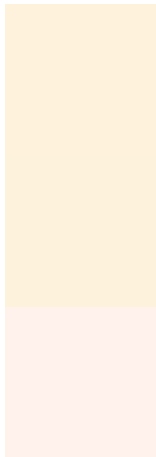


This preview shows how white text looks on a background with the Yxy color 89.9847, 0.3344, 0.3498.

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

89.9847, 0.3344, 0.3498

Protanopia

90.2043, 0.3330, 0.3508

Deuteranopia

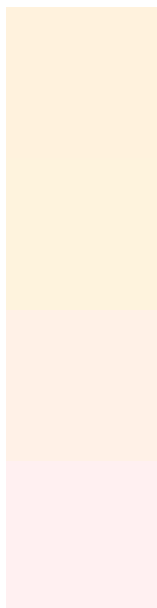
90.2267, 0.3251, 0.3339



Tritanopia

90.0213, 0.3153, 0.3165

Trichromacy



Original Color

89.9847, 0.3344, 0.3498

Protanomaly

90.3925, 0.3336, 0.3508

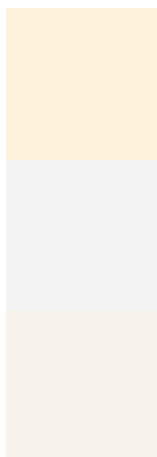
Deuteranomaly

89.9401, 0.3282, 0.3388

Tritanomaly

89.9311, 0.3220, 0.3281

Monochromacy



Original Color

89.9847, 0.3344, 0.3498

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8735, 0.3202, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9847, 0.3344, 0.3498 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, 242, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 221)  
}
```

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, 242, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 221) }
```

Border

The CSS property to change the border of an element to Yxy 89.9847, 0.3344, 0.3498 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, 242, 221) }
```

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

```
.border{ border-color:rgb(255, 242, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9847, 0.3344, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 221) }
```

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

```
.background{ background-color: rgb(255,  
242, 221) }
```

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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