

Converting Colors

$Y_{xy}(100.0000, 0.3701, 0.3471)$

Have a look what the booklet for
Yxy(100.0000, 0.3701, 0.3471)
contains.

Yxy(89.3379, 0.3352, 0.3498)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.3379, 0.3352, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1DC
RGB	255, 241, 220
RGB Percent	100%, 95%, 86%
CMY	0.0001, 0.0549, 0.1372
CMYK	0.00, 0.05, 0.14, 0.00
HSL	36°, 100%, 93%
HSV	36°, 14%, 100%
XYZ	85.6091, 89.3379, 80.4501
YIQ	242.7920, 15.0850, -3.5630

Conversions

Conversions Part 2

Format	Color
R _Y B	243, 255, 220
Decimal	16773596
CIE Lab	95.72, 1.31, 11.81
CIE LCh	96, 11.887, 83.662
Yxy	89.3379, 0.3352, 0.3498
Android (android.graphics.Color)	4294963676 (0xFFFFF1DC)
YUV	242.7920, -11.2365, 10.7064
Hunter-Lab	94.5187, -3.7337, 15.6981

Details

The Yxy color **89.3379, 0.3352, 0.3498** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.2717, 0.2911, 0.3073**, and the grayscale version is **89.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4203, 0.3400, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **82.2290, 0.3539, 0.3658**, and if you desaturate by 10%, it is **96.9980, 0.3185, 0.3345**.

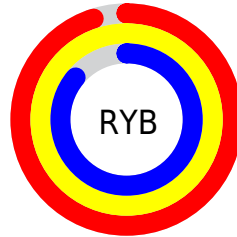
Distribution



Red (100%)

Green (95%)

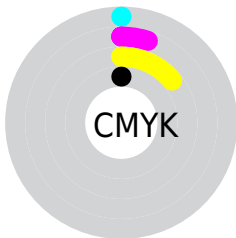
Blue (86%)



Red (95%)

Yellow (100%)

Blue (86%)

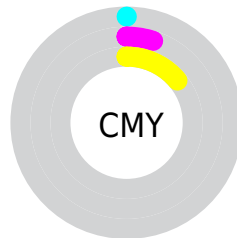


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3379, 0.3352, 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 89.3379, 0.3352, 0.3498 by changing the saturation by 10% instead.


 89.3379, 0.3352,
0.3498

 89.3379, 0.3352,
0.3498


525.8747, 0.3252,
0.3406

 67.4316, 0.3374,
0.3518

146.4184, 0.3318,
0.3467

 49.4355, 0.3401,
0.3543

182.3614, 0.3304,
0.3454

 34.9651, 0.3435,
0.3573


223.7520, 0.3293,
0.3443

 23.6360, 0.3477,
0.3612

270.9748, 0.3282,
0.3434

 15.0638, 0.3534,
0.3664

324.4141, 0.3273,
0.3426

 8.8642, 0.3612,
0.3734

384.4542, 0.3265,

 4.6527, 0.3726,

0.3418

0.3836

451.4796, 0.3258,
0.3412

■ 2.0450, 0.3908,
0.3996

■ 0.6334, 0.5003,
0.4997

■ 89.3379, 0.3352,
0.3498

■ 89.3379, 0.3352,
0.3498

■ 82.2290, 0.3539,
0.3658

■ 96.9980, 0.3185,
0.3345

■ 75.6446, 0.3745,
0.3820

99.9962, 0.3127,
0.3290

■ 69.5731, 0.3967,
0.3977

■ 63.9979, 0.4200,
0.4121

■ 58.9010, 0.4437,
0.4241

■ 54.2628, 0.4665,
0.4323

■ 50.0614, 0.4871,
0.4358

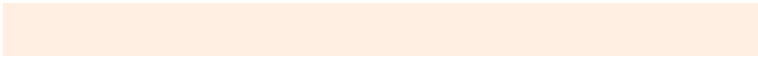
■ 46.2712, 0.5045,
0.4338

■ 44.0788, 0.5138,
0.4302

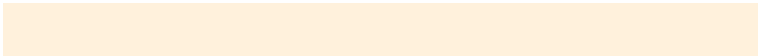
Harmonies

Analogous

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



89.3379, 0.3392, 0.3416



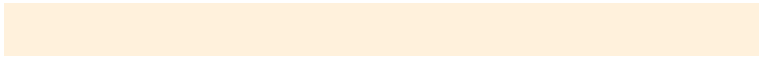
89.3379, 0.3352, 0.3498



89.3379, 0.3252, 0.3525

Triad

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



89.3379, 0.3352, 0.3498



89.3379, 0.2901, 0.3269



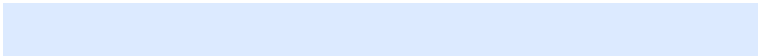
89.3379, 0.3130, 0.3105

Complementary

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



89.3379, 0.3352, 0.3498



81.2717, 0.2911, 0.3073

Split Complementary

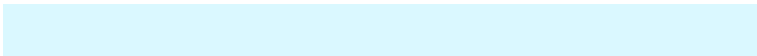
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3379, 0.3000, 0.3065



89.3379, 0.3352, 0.3498



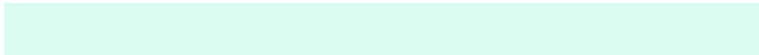
89.3379, 0.2870, 0.3156

Square

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



89.3379, 0.3352, 0.3498



89.3379, 0.2992, 0.3391



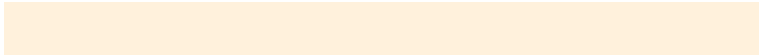
89.3379, 0.2906, 0.3082



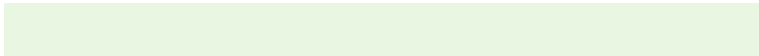
89.3379, 0.3262, 0.3191

Rectangle

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



89.3379, 0.3352, 0.3498



89.3379, 0.3165, 0.3506



89.3379, 0.2906, 0.3082



89.3379, 0.3085, 0.3085

Sweetspot

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



89.3419, 0.3352, 0.3498



96.7881, 0.3189, 0.3349



78.3902, 0.3284, 0.3152



20.5895, 0.3201, 0.3360



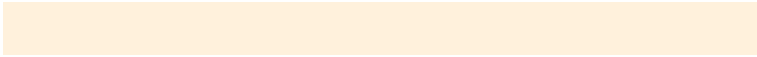
0.0000, 0.0000, 0.0000



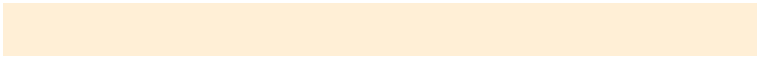
21.4041, 0.3127, 0.3290

Same Dimension

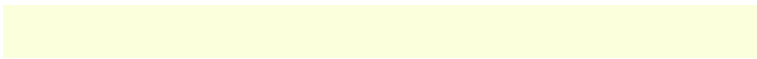
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3419, 0.3352, 0.3498



87.6836, 0.3393, 0.3534



97.2744, 0.3310, 0.3633



19.8017, 0.3279, 0.3433



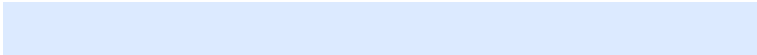
23.3363, 0.5118, 0.4318



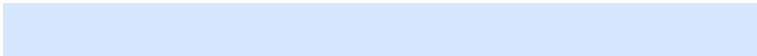
2.4861, 0.4984, 0.4425

Inverse Universe

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



81.2717, 0.2911, 0.3073



78.4177, 0.2873, 0.3033



74.1813, 0.2929, 0.2927



18.5686, 0.2979, 0.3143



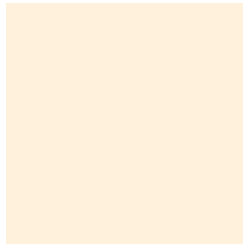
8.9967, 0.1683, 0.1257



1.0827, 0.1745, 0.1480

Previews

White Background



This preview shows how the Yxy color 89.3379, 0.3352, 0.3498 looks on a white background.

Color Contrast Check

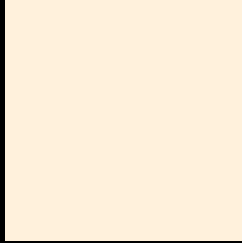
Large Text (above 18pt) WCAG AA × Fail

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 89.3379, 0.3352, 0.3498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

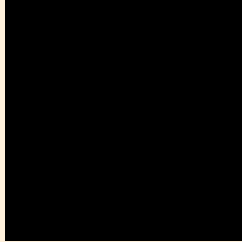
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

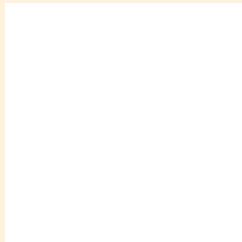
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3379, 0.3352, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 89.3379, 0.3352, 0.3498.

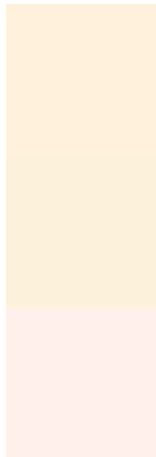


This preview shows how white text looks on a background with the Yxy color 89.3379, 0.3352, 0.3498.

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

89.3379, 0.3352, 0.3498

Protanopia

89.3670, 0.3330, 0.3509

Deuteranopia

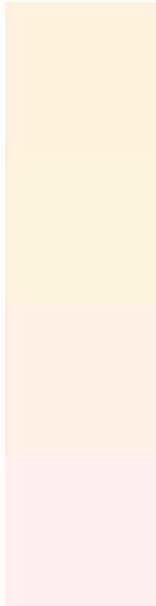
89.5783, 0.3258, 0.3339



Tritanopia

89.3741, 0.3159, 0.3165

Trichromacy



Original Color

89.3379, 0.3352, 0.3498

Protanomaly

89.5542, 0.3337, 0.3509

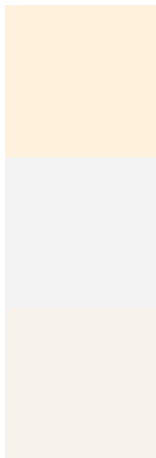
Deuteranomaly

89.2933, 0.3290, 0.3389

Tritanomaly

89.2843, 0.3227, 0.3281

Monochromacy



Original Color

89.3379, 0.3352, 0.3498

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.2766, 0.3203, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3379, 0.3352, 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, 241, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 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, 241, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 220) }
```

Border

The CSS property to change the border of an element to Yxy 89.3379, 0.3352, 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, 241, 220) }
```

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

```
.border{ border-color:rgb(255, 241, 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, 241, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3379, 0.3352, 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, 241, 220) }
```

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

```
.background{ background-color: rgb(255,  
241, 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