

Converting Colors

$Y_{xy}(100.0000, 0.3733, 0.3494)$

Have a look what the booklet for
Yxy(100.0000, 0.3733, 0.3494)
contains.

Yxy(88.5899, 0.3373, 0.3518)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(88.5899, 0.3373, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0D9
RGB	255, 240, 217
RGB Percent	100%, 94%, 85%
CMY	0.0000, 0.0589, 0.1489
CMYK	0.00, 0.06, 0.15, 0.00
HSL	36°, 100%, 93%
HSV	36°, 15%, 100%
XYZ	84.9385, 88.5899, 78.2905
YIQ	241.8630, 16.3230, -3.9730

Conversions

Conversions Part 2

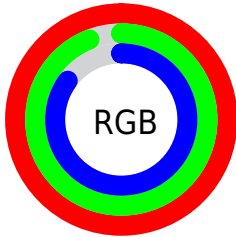
Format	Color
R_{YB}	242, 255, 217
Decimal	16773337
CIE _{Lab}	95.41, 1.40, 12.91
CIE _{LCh}	95, 12.983, 83.827
Yxy	88.5899, 0.3373, 0.3518
Android (android.graphics.Color)	4294963417 (0xFFFFF0D9)
YUV	241.8630, -12.2575, 11.5211
Hunter-Lab	94.1222, -3.6304, 16.5683

Details

The Yxy color **88.5899, 0.3373, 0.3518** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.7146, 0.2891, 0.3051**, and the grayscale version is **88.7659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8954, 0.3427, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **81.5885, 0.3561, 0.3679**, and if you desaturate by 10%, it is **96.1188, 0.3203, 0.3363**.

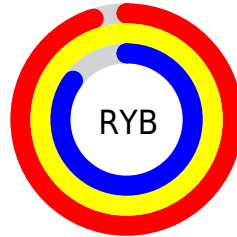
Distribution



Red (100%)

Green (94%)

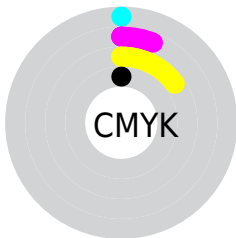
Blue (85%)



Red (95%)

Yellow (100%)

Blue (85%)

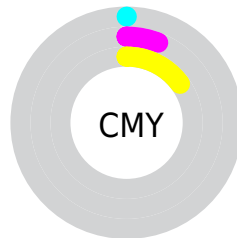


Cyan (0%)

Magenta (6%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5899, 0.3373, 0.3518 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 88.5899, 0.3373, 0.3518 by changing the saturation by 10% instead.


 88.5899, 0.3373,
0.3518

 88.5899, 0.3373,
0.3518


523.4331, 0.3263,
0.3417

 66.8117, 0.3397,
0.3540


145.3781, 0.3336,
0.3484

 48.9316, 0.3427,
0.3567


181.1570, 0.3321,
0.3470

 34.5652, 0.3464,
0.3601


222.3715, 0.3308,
0.3458

 23.3282, 0.3511,
0.3644

269.4061, 0.3297,
0.3448

 14.8360, 0.3573,
0.3700

322.6452, 0.3287,
0.3439

 8.7044, 0.3658,
0.3777

382.4731, 0.3278,

 4.5489, 0.3784,

0.3430

0.3889

449.2743, 0.3270,
0.3423

■ 1.9851, 0.3982,
0.4063

■ 0.5988, 0.5018,
0.4982

■ 88.5899, 0.3373,
0.3518

■ 88.5899, 0.3373,
0.3518

■ 81.5885, 0.3561,
0.3679

■ 96.1188, 0.3203,
0.3363

■ 75.1109, 0.3769,
0.3842

100.0000, 0.3127,
0.3290

■ 69.1378, 0.3991,
0.4000

■ 63.6527, 0.4224,
0.4142

■ 58.6378, 0.4459,
0.4259

■ 54.0732, 0.4683,
0.4337

■ 49.9370, 0.4884,
0.4366

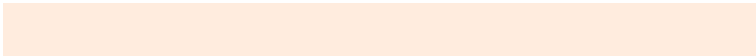
■ 46.2032, 0.5052,
0.4341

■ 44.4337, 0.5126,
0.4312

Harmonies

Analogous

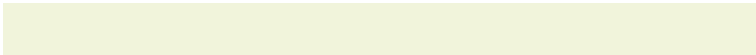
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5899, 0.3417, 0.3428



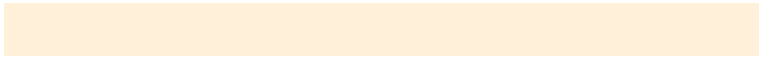
88.5899, 0.3373, 0.3518



88.5899, 0.3263, 0.3548

Triad

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



88.5899, 0.3373, 0.3518



88.5899, 0.2879, 0.3266



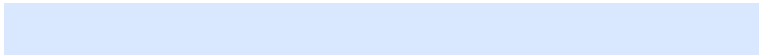
88.5899, 0.3131, 0.3088

Complementary

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



88.5899, 0.3373, 0.3518



79.7146, 0.2891, 0.3051

Split Complementary

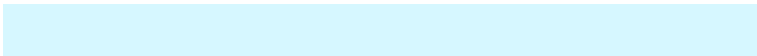
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5899, 0.2989, 0.3044



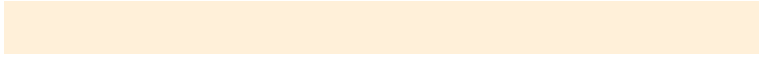
88.5899, 0.3373, 0.3518



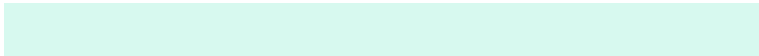
88.5899, 0.2846, 0.3142

Square

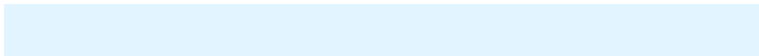
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5899, 0.3373, 0.3518



88.5899, 0.2978, 0.3400



88.5899, 0.2885, 0.3062



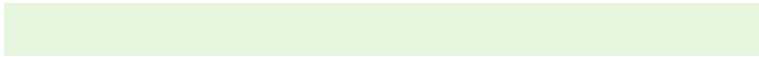
88.5899, 0.3276, 0.3183

Rectangle

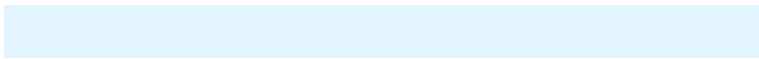
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5899, 0.3373, 0.3518



88.5899, 0.3168, 0.3527



88.5899, 0.2885, 0.3062



88.5899, 0.3082, 0.3067

Sweetspot

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



88.5862, 0.3373, 0.3518



96.8145, 0.3189, 0.3349



76.7421, 0.3299, 0.3139



20.5962, 0.3201, 0.3361



0.0000, 0.0000, 0.0000



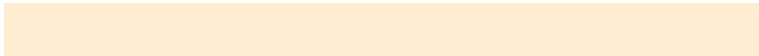
21.4041, 0.3127, 0.3290

Same Dimension

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



88.5862, 0.3373, 0.3518



86.3523, 0.3429, 0.3568



97.0786, 0.3326, 0.3664



19.8147, 0.3279, 0.3434



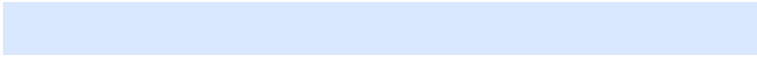
23.5172, 0.5107, 0.4327



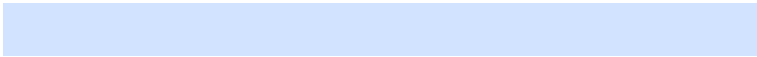
2.5031, 0.4974, 0.4433

Inverse Universe

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



79.7146, 0.2891, 0.3051



75.8627, 0.2840, 0.2996



72.2089, 0.2911, 0.2893



18.5559, 0.2979, 0.3142



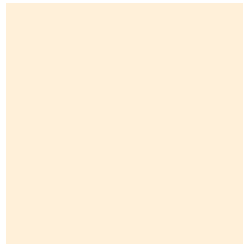
8.8877, 0.1679, 0.1245



1.0713, 0.1741, 0.1469

Previews

White Background



This preview shows how the Yxy color 88.5899, 0.3373, 0.3518 looks on a white background.

Color Contrast Check

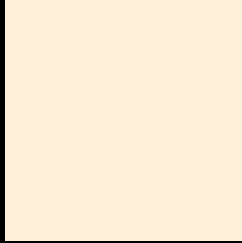
Large Text (above 18pt) WCAG AA × Fail

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 88.5899, 0.3373, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

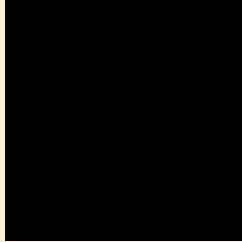
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5899, 0.3373, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 88.5899, 0.3373, 0.3518.

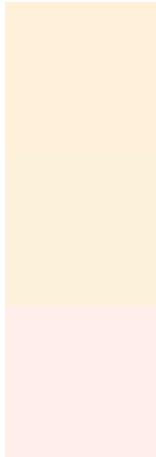


This preview shows how white text looks on a background with the Yxy color 88.5899, 0.3373, 0.3518.

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

88.5899, 0.3373, 0.3518

Protanopia

88.6680, 0.3344, 0.3520

Deuteranopia

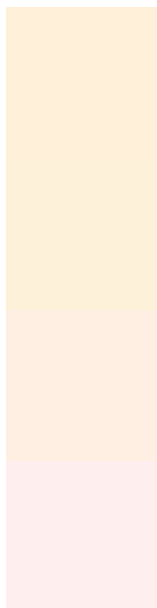
88.2923, 0.3273, 0.3340



Tritanopia

88.7305, 0.3166, 0.3164

Trichromacy



Original Color

88.5899, 0.3373, 0.3518

Protanomaly

88.8552, 0.3351, 0.3519

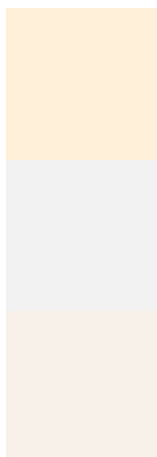
Deuteranomaly

88.5391, 0.3310, 0.3409

Tritanomaly

88.5821, 0.3241, 0.3290

Monochromacy



Original Color

88.5899, 0.3373, 0.3518

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.5679, 0.3216, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5899, 0.3373, 0.3518 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, 240, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 217)  
}
```

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, 240, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 217) }
```

Border

The CSS property to change the border of an element to Yxy 88.5899, 0.3373, 0.3518 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, 240, 217) }
```

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

```
.border{ border-color:rgb(255, 240, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 217); box-shadow:4px 4px 4px 4px rgb(255, 240, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5899, 0.3373, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 217) }
```

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

```
.background{ background-color: rgb(255,  
240, 217) }
```

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