

Converting Colors

$Y_{xy}(100.0000, 0.3606, 0.3391)$

Have a look what the booklet for
Yxy(100.0000, 0.3606, 0.3391)
contains.

Yxy(89.8838, 0.3289, 0.3398)	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(89.8838, 0.3289, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	FFF1E6
RGB	255, 241, 230
RGB Percent	100%, 95%, 90%
CMY	0.0000, 0.0550, 0.0980
CMYK	0.00, 0.05, 0.10, 0.00
HSL	26°, 100%, 95%
HSV	26°, 10%, 100%
XYZ	87.0005, 89.8838, 87.6354
YIQ	243.9320, 11.8750, -0.4530

Conversions

Conversions Part 2

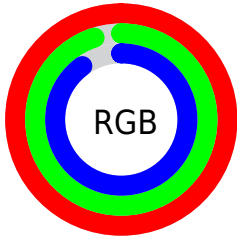
Format	Color
R_{YB}	255, 250, 230
Decimal	16773606
CIE _{Lab}	95.95, 2.94, 6.98
CIE _{LCh}	96, 7.569, 67.179
Yxy	89.8838, 0.3289, 0.3398
Android (android.graphics.Color)	4294963686 (0xFFFFF1E6)
YUV	243.9320, -6.8685, 9.7066
Hunter-Lab	94.8071, -2.1103, 11.5599

Details

The Yxy color **89.8838, 0.3289, 0.3398** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.7664, 0.2975, 0.3180**, and the grayscale version is **90.4493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7988, 0.3318, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **80.4037, 0.3479, 0.3515**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

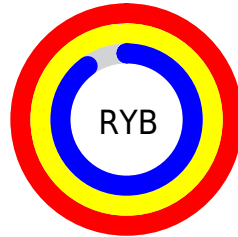
Distribution



Red (100%)

Green (95%)

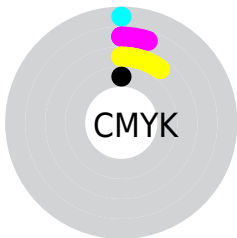
Blue (90%)



Red (100%)

Yellow (98%)

Blue (90%)

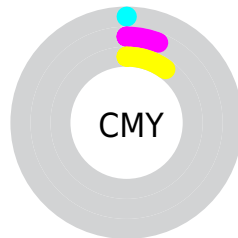


Cyan (0%)

Magenta (5%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8838, 0.3289, 0.3398 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 89.8838, 0.3289, 0.3398 by changing the saturation by 10% instead.

 89.8838, 0.3289,
0.3398

 89.8838, 0.3289,
0.3398

527.6528, 0.3217,
0.3350

 67.8843, 0.3305,
0.3408

147.1770, 0.3264,
0.3382

 49.8036, 0.3324,
0.3421

183.2394, 0.3255,
0.3375

 35.2574, 0.3349,
0.3437


224.7583, 0.3246,
0.3370

 23.8612, 0.3380,
0.3457

272.1180, 0.3239,
0.3365

 15.2307, 0.3421,
0.3483

325.7029, 0.3232,
0.3361

 8.9814, 0.3478,
0.3519

385.8974, 0.3227,

 4.7291, 0.3562,

0.3357

0.3571

453.0859, 0.3221,
0.3353

■ 2.0892, 0.3698,
0.3652

■ 0.6585, 0.4400,
0.4154

■ 89.8838, 0.3289,
0.3398

■ 89.8838, 0.3289,
0.3398

■ 80.4037, 0.3479,
0.3515

100.0000, 0.3127,
0.3290

■ 71.7850, 0.3698,
0.3635

■ 63.9915, 0.3946,
0.3755

■ 56.9961, 0.4222,
0.3868

■ 50.7704, 0.4521,
0.3962

■ 45.2836, 0.4828,
0.4025

■ 40.5025, 0.5127,
0.4044

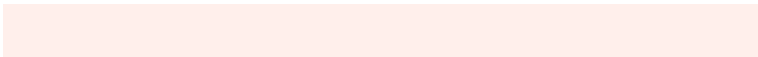
■ 36.3896, 0.5393,
0.4009

■ 32.8963, 0.5613,
0.3924

Harmonies

Analogous

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



89.8838, 0.3289, 0.3334



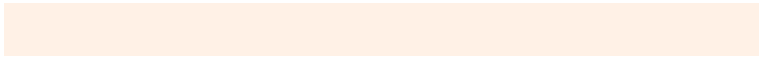
89.8838, 0.3289, 0.3398



89.8838, 0.3245, 0.3435

Triad

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



89.8838, 0.3289, 0.3398



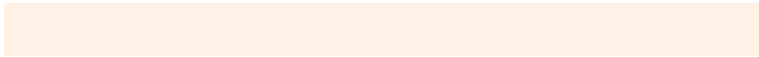
89.8838, 0.3011, 0.3320



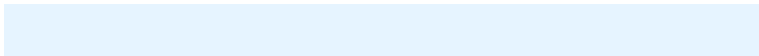
89.8838, 0.3083, 0.3153

Complementary

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



89.8838, 0.3289, 0.3398



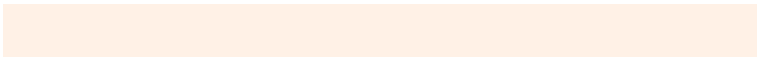
88.7664, 0.2975, 0.3180

Split Complementary

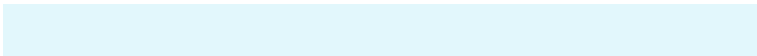
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8838, 0.3009, 0.3148



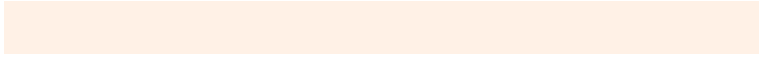
89.8838, 0.3289, 0.3398



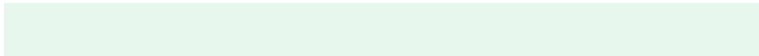
89.8838, 0.2968, 0.3243

Square

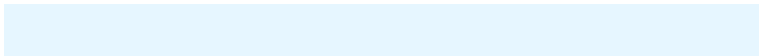
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8838, 0.3289, 0.3398



89.8838, 0.3084, 0.3390



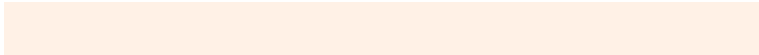
89.8838, 0.2968, 0.3180



89.8838, 0.3169, 0.3193

Rectangle

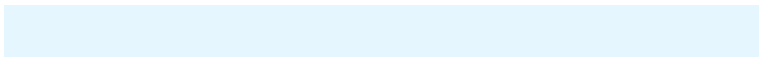
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8838, 0.3289, 0.3398



89.8838, 0.3198, 0.3438



89.8838, 0.2968, 0.3180



89.8838, 0.3056, 0.3147

Sweetspot

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



89.8730, 0.3288, 0.3398



96.8089, 0.3174, 0.3322



84.4032, 0.3208, 0.3152



20.5415, 0.3187, 0.3331



0.0000, 0.0000, 0.0000



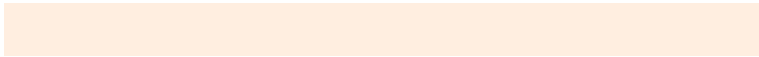
21.4041, 0.3127, 0.3290

Same Dimension

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



89.8730, 0.3288, 0.3398



87.7142, 0.3328, 0.3423



97.4357, 0.3275, 0.3516



19.2989, 0.3283, 0.3395



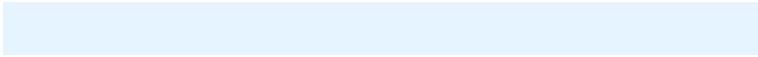
17.4406, 0.5589, 0.3944



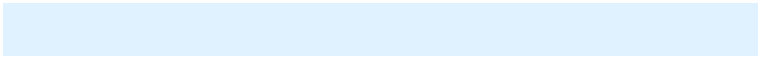
1.9112, 0.5392, 0.4101

Inverse Universe

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



88.7664, 0.2975, 0.3180



86.3793, 0.2940, 0.3153



81.5780, 0.2974, 0.3053



19.0687, 0.2979, 0.3183



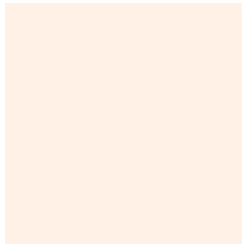
14.3521, 0.1829, 0.1783



1.6151, 0.1881, 0.1969

Previews

White Background



This preview shows how the Yxy color 89.8838, 0.3289, 0.3398 looks on a white background.

Color Contrast Check

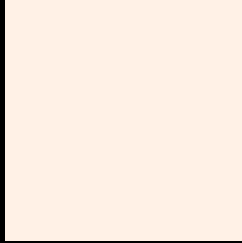
Large Text (above 18pt) WCAG AA × Fail

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 89.8838, 0.3289, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

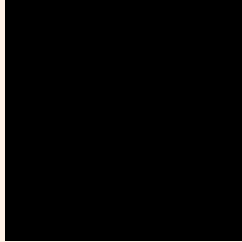
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8838, 0.3289, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 89.8838, 0.3289, 0.3398.

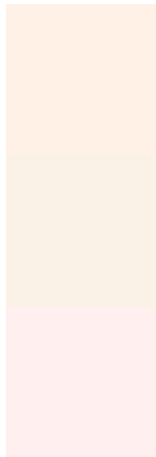


This preview shows how white text looks on a background with the Yxy color 89.8838, 0.3289, 0.3398.

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

89.8838, 0.3289, 0.3398

Protanopia

89.7830, 0.3254, 0.3399

Deuteranopia

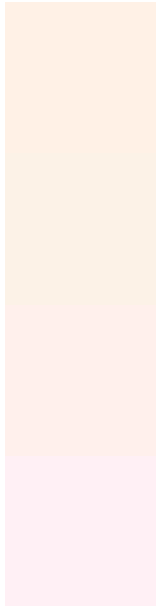
89.8122, 0.3233, 0.3300



Tritanopia

90.0849, 0.3147, 0.3155

Trichromacy



Original Color

89.8838, 0.3289, 0.3398

Protanomaly

89.9692, 0.3261, 0.3399

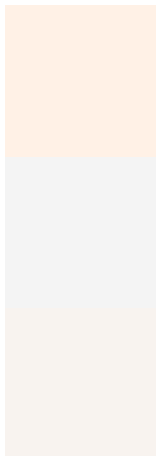
Deuteranomaly

89.6363, 0.3252, 0.3329

Tritanomaly

90.1727, 0.3195, 0.3242

Monochromacy



Original Color

89.8838, 0.3289, 0.3398

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2896, 0.3184, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8838, 0.3289, 0.3398 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 230) }
```

Border

The CSS property to change the border of an element to Yxy 89.8838, 0.3289, 0.3398 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, 230) }
```

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

```
.border{ border-color:rgb(255, 241, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8838, 0.3289, 0.3398 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
241, 230) }
```

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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