

Converting Colors

$Y_{xy}(100.0000, 0.3669, 0.3399)$

Have a look what the booklet for
Yxy(100.0000, 0.3669, 0.3399)
contains.

Yxy(88.5391, 0.3310, 0.3409)	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(88.5391, 0.3310, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF3
RGB	255, 239, 227
RGB Percent	100%, 94%, 89%
CMY	0.0000, 0.0627, 0.1099
CMYK	0.00, 0.06, 0.11, 0.00
HSL	26°, 100%, 95%
HSV	26°, 11%, 100%
XYZ	85.9679, 88.5391, 85.2147
YIQ	242.4160, 13.3880, -0.3400

Conversions

Conversions Part 2

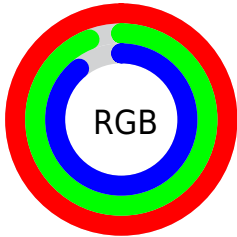
Format	Color
R _Y B	255, 248, 227
Decimal	16773091
CIE Lab	95.39, 3.43, 7.74
CIE LCh	95, 8.462, 66.121
Yxy	88.5391, 0.3310, 0.3409
Android (android.graphics.Color)	4294963171 (0xFFFFEFE3)
YUV	242.4160, -7.6001, 11.0362
Hunter-Lab	94.0952, -1.5844, 12.1723

Details

The Yxy color **88.5391, 0.3310, 0.3409** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6273, 0.2956, 0.3168**, and the grayscale version is **89.1944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8513, 0.3346, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **79.0580, 0.3504, 0.3524**, and if you desaturate by 10%, it is **98.9223, 0.3142, 0.3300**.

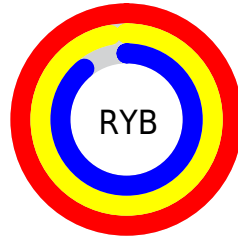
Distribution



Red (100%)

Green (94%)

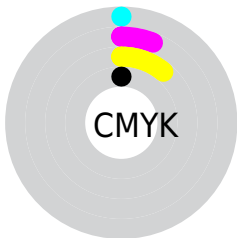
Blue (89%)



Red (100%)

Yellow (97%)

Blue (89%)

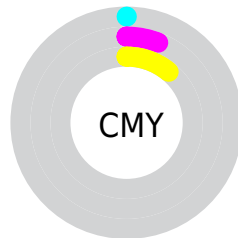


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5391, 0.3310, 0.3409 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 88.5391, 0.3310, 0.3409 by changing the saturation by 10% instead.

 88.5391, 0.3310,
0.3409

 88.5391, 0.3310,
0.3409


523.2671, 0.3228,
0.3356

 66.7696, 0.3328,
0.3421

145.3075, 0.3282,
0.3391

 48.8974, 0.3350,
0.3434


181.0751, 0.3271,
0.3384

 34.5381, 0.3378,
0.3452


222.2777, 0.3261,
0.3378

 23.3073, 0.3413,
0.3474

269.2995, 0.3253,
0.3373

 14.8206, 0.3460,
0.3503

322.5249, 0.3246,
0.3368

 8.6936, 0.3526,
0.3542

382.3384, 0.3239,

 4.5419, 0.3622,

0.3364

0.3600

449.1243, 0.3233,
0.3360

■ 1.9810, 0.3781,
0.3690

■ 0.5964, 0.4799,
0.4400

■ 88.5391, 0.3310,
0.3409

■ 88.5391, 0.3310,
0.3409

■ 79.0580, 0.3504,
0.3524

98.9223, 0.3142,
0.3300

■ 70.4422, 0.3728,
0.3642

99.9994, 0.3127,
0.3290

■ 62.6691, 0.3982,
0.3759

■ 55.7107, 0.4264,
0.3868

■ 49.5372, 0.4568,
0.3956

■ 44.1167, 0.4881,
0.4013

■ 39.4144, 0.5181,
0.4024

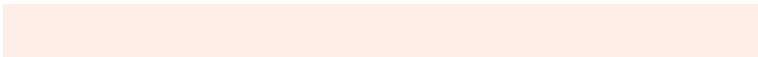
■ 35.3913, 0.5447,
0.3981

■ 32.3038, 0.5645,
0.3900

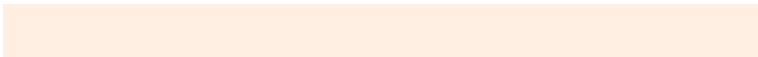
Harmonies

Analogous

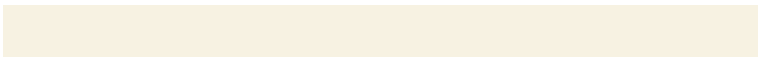
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5391, 0.3308, 0.3336



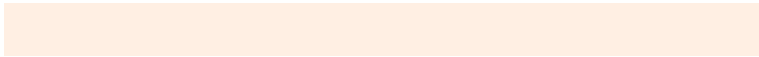
88.5391, 0.3310, 0.3409



88.5391, 0.3262, 0.3452

Triad

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



88.5391, 0.3310, 0.3409



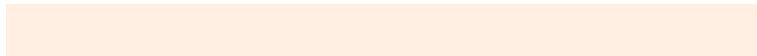
88.5391, 0.2999, 0.3327



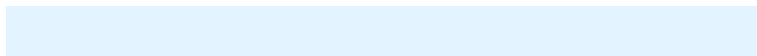
88.5391, 0.3074, 0.3135

Complementary

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



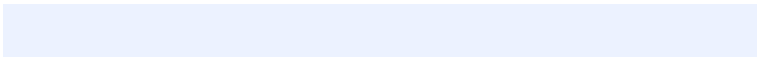
88.5391, 0.3310, 0.3409



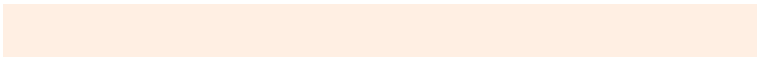
87.6273, 0.2956, 0.3168

Split Complementary

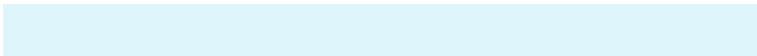
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5391, 0.2992, 0.3131



88.5391, 0.3310, 0.3409



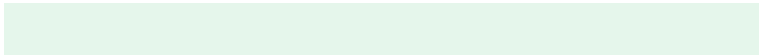
88.5391, 0.2950, 0.3240

Square

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



88.5391, 0.3310, 0.3409



88.5391, 0.3082, 0.3405



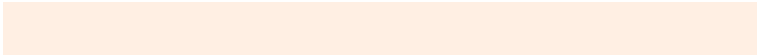
88.5391, 0.2948, 0.3168



88.5391, 0.3170, 0.3179

Rectangle

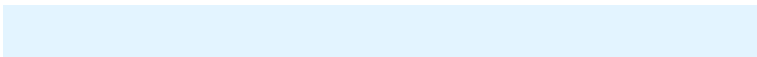
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5391, 0.3310, 0.3409



88.5391, 0.3209, 0.3456



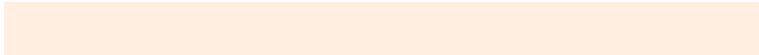
88.5391, 0.2948, 0.3168



88.5391, 0.3044, 0.3129

Sweetspot

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



88.5430, 0.3310, 0.3409



96.7636, 0.3174, 0.3322



82.6761, 0.3215, 0.3130



20.5292, 0.3187, 0.3330



0.0000, 0.0000, 0.0000



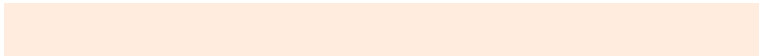
21.4041, 0.3127, 0.3290

Same Dimension

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



88.5430, 0.3310, 0.3409



86.5659, 0.3347, 0.3432



96.8415, 0.3294, 0.3540



19.2697, 0.3284, 0.3392



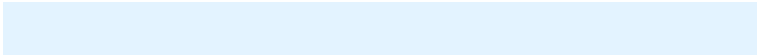
17.1625, 0.5617, 0.3922



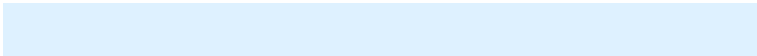
1.8828, 0.5416, 0.4081

Inverse Universe

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



87.6273, 0.2956, 0.3168



85.4973, 0.2924, 0.3144



79.7591, 0.2954, 0.3027



19.0985, 0.2979, 0.3185



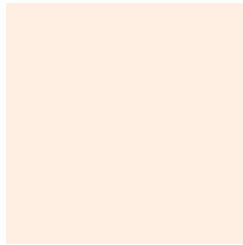
14.7362, 0.1838, 0.1816



1.6519, 0.1889, 0.1999

Previews

White Background



This preview shows how the Yxy color 88.5391, 0.3310, 0.3409 looks on a white background.

Color Contrast Check

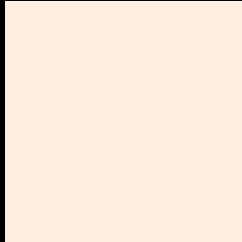
Large Text (above 18pt) WCAG AA × Fail

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 88.5391, 0.3310, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

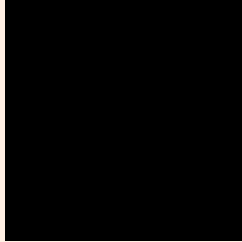
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.5391, 0.3310, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 88.5391, 0.3310, 0.3409.

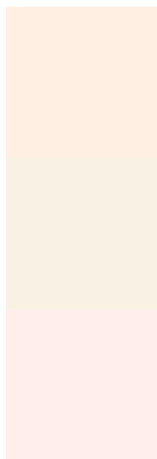


This preview shows how white text looks on a background with the Yxy color 88.5391, 0.3310, 0.3409.

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

88.5391, 0.3310, 0.3409

Protanopia

88.6518, 0.3261, 0.3420

Deuteranopia

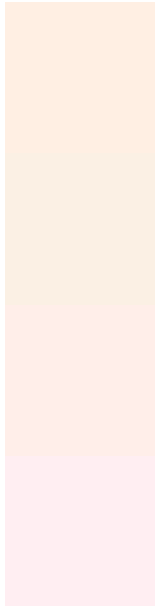
88.4652, 0.3253, 0.3310



Tritanopia

88.7934, 0.3160, 0.3155

Trichromacy



Original Color

88.5391, 0.3310, 0.3409

Protanomaly

88.4308, 0.3275, 0.3409

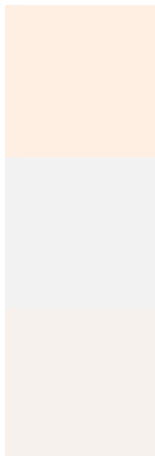
Deuteranomaly

88.2923, 0.3273, 0.3340

Tritanomaly

88.8199, 0.3216, 0.3251

Monochromacy



Original Color

88.5391, 0.3310, 0.3409

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.7992, 0.3191, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5391, 0.3310, 0.3409 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, 239, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 227)  
}
```

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, 239, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 227) }
```

Border

The CSS property to change the border of an element to Yxy 88.5391, 0.3310, 0.3409 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, 239, 227) }
```

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

```
.border{ border-color:rgb(255, 239, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5391, 0.3310, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 227) }
```

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

```
.background{ background-color: rgb(255,  
239, 227) }
```

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