

Converting Colors

$Yxy(98.1708, 0.3619, 0.3434)$

Have a look what the booklet for
Yxy(98.1708, 0.3619, 0.3434)
contains.

Yxy(88.9620, 0.3328, 0.3448)	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(88.9620, 0.3328, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E0
RGB	255, 240, 224
RGB Percent	100%, 94%, 88%
CMY	0.0000, 0.0588, 0.1215
CMYK	0.00, 0.06, 0.12, 0.00
HSL	31°, 100%, 94%
HSV	31°, 12%, 100%
XYZ	85.8659, 88.9620, 83.1826
YIQ	242.6610, 14.0760, -1.7960

Conversions

Conversions Part 2

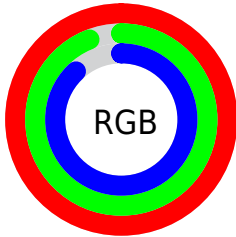
Format	Color
RYB	253, 255, 224
Decimal	16773344
CIELab	95.56, 2.47, 9.52
CIElCh	96, 9.835, 75.449
Yxy	88.9620, 0.3328, 0.3448
Android (android.graphics.Color)	4294963424 (0xFFFFF0E0)
YUV	242.6610, -9.1999, 10.8213
Hunter-Lab	94.3197, -2.5582, 13.7346

Details

The Yxy color **88.9620, 0.3328, 0.3448** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.8219, 0.2937, 0.3127**, and the grayscale version is **89.4086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1513, 0.3369, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **80.6505, 0.3518, 0.3586**, and if you desaturate by 10%, it is **97.9714, 0.3160, 0.3317**.

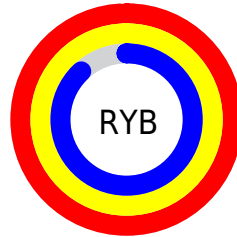
Distribution



Red (100%)

Green (94%)

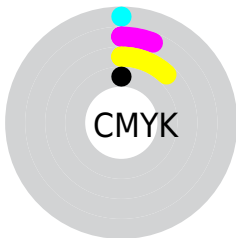
Blue (88%)



Red (99%)

Yellow (100%)

Blue (88%)

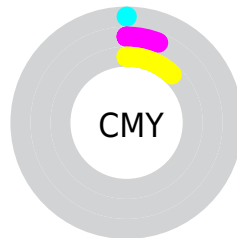


Cyan (0%)

Magenta (6%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9620, 0.3328, 0.3448 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 88.9620, 0.3328, 0.3448 by changing the saturation by 10% instead.

 88.9620, 0.3328,
0.3448

 88.9620, 0.3328,
0.3448


524.6485, 0.3238,
0.3378

 67.1201, 0.3348,
0.3463


145.8957, 0.3297,
0.3424

 49.1822, 0.3372,
0.3482


181.7563, 0.3285,
0.3415

 34.7640, 0.3402,
0.3505


223.0585, 0.3275,
0.3407

 23.4812, 0.3441,
0.3535

270.1868, 0.3266,
0.3400

 14.9492, 0.3492,
0.3573

323.5256, 0.3258,
0.3393

 8.7837, 0.3563,
0.3626

383.4592, 0.3250,

 4.6004, 0.3667,

0.3388

0.3703

450.3720, 0.3244,
0.3382

■ 2.0148, 0.3837,
0.3824

■ 0.6160, 0.5097,
0.4862

■ 88.9620, 0.3328,
0.3448

■ 88.9620, 0.3328,
0.3448

■ 80.6505, 0.3518,
0.3586

■ 97.9714, 0.3160,
0.3317

■ 73.0252, 0.3733,
0.3726

100.0000, 0.3127,
0.3290

■ 66.0635, 0.3971,
0.3865

■ 59.7444, 0.4229,
0.3992

■ 54.0453, 0.4499,
0.4098

■ 48.9416, 0.4770,
0.4169

■ 44.4065, 0.5023,
0.4193

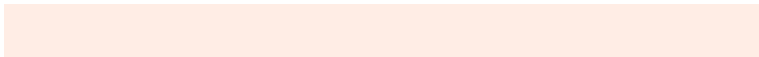
■ 40.4094, 0.5243,
0.4161

■ 37.6180, 0.5390,
0.4103

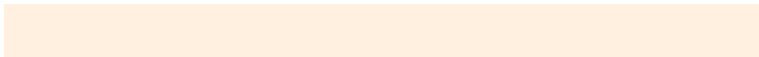
Harmonies

Analogous

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



88.9620, 0.3344, 0.3371



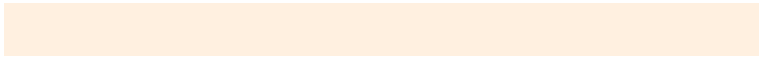
88.9620, 0.3328, 0.3448



88.9620, 0.3257, 0.3484

Triad

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



88.9620, 0.3328, 0.3448



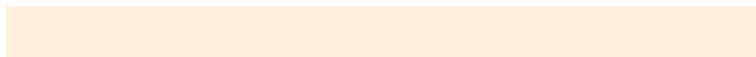
88.9620, 0.2956, 0.3301



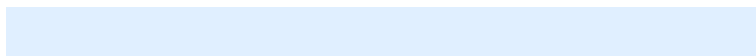
88.9620, 0.3099, 0.3122

Complementary

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



88.9620, 0.3328, 0.3448



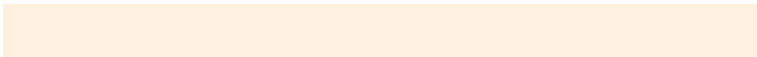
84.8219, 0.2937, 0.3127

Split Complementary

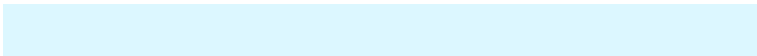
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9620, 0.2997, 0.3102



88.9620, 0.3328, 0.3448



88.9620, 0.2915, 0.3203

Square

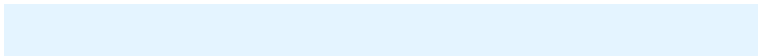
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9620, 0.3328, 0.3448



88.9620, 0.3042, 0.3398



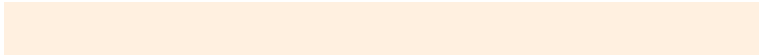
88.9620, 0.2930, 0.3130



88.9620, 0.3211, 0.3185

Rectangle

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



88.9620, 0.3328, 0.3448



88.9620, 0.3189, 0.3478



88.9620, 0.2930, 0.3130



88.9620, 0.3063, 0.3110

Sweetspot

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



88.9596, 0.3328, 0.3448



96.2480, 0.3190, 0.3341



80.8465, 0.3243, 0.3138



20.4528, 0.3202, 0.3350



0.0000, 0.0000, 0.0000



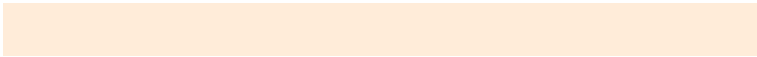
21.4041, 0.3127, 0.3290

Same Dimension

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



88.9596, 0.3328, 0.3448



86.5186, 0.3380, 0.3487



98.1631, 0.3309, 0.3591



19.5360, 0.3281, 0.3413



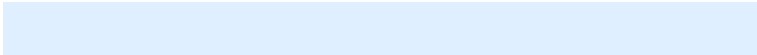
19.9567, 0.5365, 0.4122



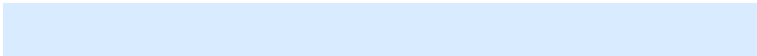
2.1619, 0.5195, 0.4257

Inverse Universe

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



84.8219, 0.2937, 0.3127



81.5106, 0.2891, 0.3085



76.3953, 0.2934, 0.2970



18.8302, 0.2979, 0.3164



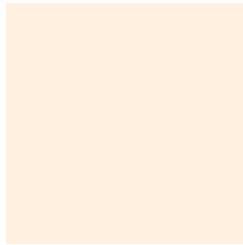
11.5401, 0.1756, 0.1522



1.3412, 0.1815, 0.1732

Previews

White Background



This preview shows how the Yxy color 88.9620, 0.3328, 0.3448 looks on a white background.

Color Contrast Check

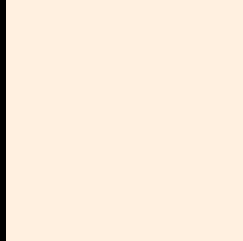
Large Text (above 18pt) WCAG AA × Fail

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 88.9620, 0.3328, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

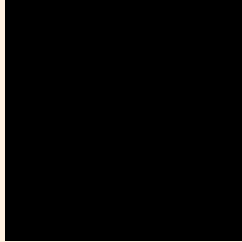
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.9620, 0.3328, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 88.9620, 0.3328, 0.3448.

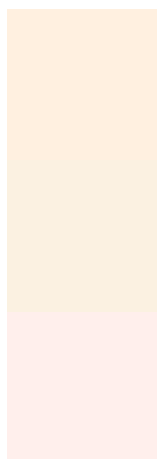


This preview shows how white text looks on a background with the Yxy color 88.9620, 0.3328, 0.3448.

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

88.9620, 0.3328, 0.3448

Protanopia

88.8561, 0.3293, 0.3449

Deuteranopia

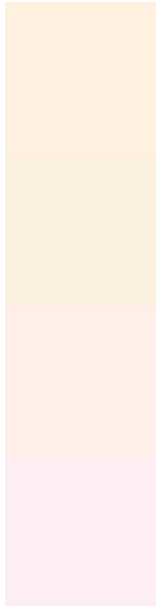
89.0491, 0.3253, 0.3320



Tritanopia

88.7934, 0.3160, 0.3155

Trichromacy



Original Color

88.9620, 0.3328, 0.3448

Protanomaly

89.0423, 0.3300, 0.3449

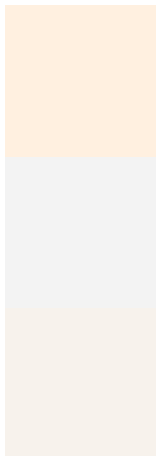
Deuteranomaly

88.8192, 0.3278, 0.3359

Tritanomaly

88.7599, 0.3222, 0.3261

Monochromacy



Original Color

88.9620, 0.3328, 0.3448

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.3345, 0.3197, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9620, 0.3328, 0.3448 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 224) }
```

Border

The CSS property to change the border of an element to Yxy 88.9620, 0.3328, 0.3448 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, 224) }
```

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

```
.border{ border-color:rgb(255, 240, 224) }
```

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, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9620, 0.3328, 0.3448 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, 224) }
```

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

```
.background{ background-color: rgb(255,  
240, 224) }
```

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