

Converting Colors

$Yxy(89.0826, 0.3308, 0.3416)$

Have a look what the booklet for
Yxy(89.0826, 0.3308, 0.3416)
contains.

Yxy(89.1262, 0.3309, 0.3418)	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(89.1262, 0.3309, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E3
RGB	255, 240, 227
RGB Percent	100%, 94%, 89%
CMY	0.0000, 0.0589, 0.1097
CMYK	0.00, 0.06, 0.11, 0.00
HSL	28°, 100%, 95%
HSV	28°, 11%, 100%
XYZ	86.2840, 89.1262, 85.3452
YIQ	243.0030, 13.1130, -0.8630

Conversions

Conversions Part 2

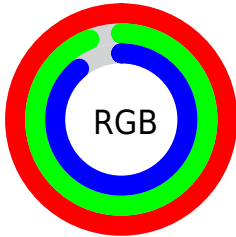
Format	Color
R_{YB}	255, 251, 227
Decimal	16773347
CIE _{Lab}	95.63, 2.96, 8.07
CIE _{LCh}	96, 8.593, 69.860
Yxy	89.1262, 0.3309, 0.3418
Android (android.graphics.Color)	4294963427 (0xFFFFF0E3)
YUV	243.0030, -7.8895, 10.5214
Hunter-Lab	94.4067, -2.0697, 12.4855

Details

The Yxy color **89.1262, 0.3309, 0.3418** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.0831, 0.2956, 0.3159**, and the grayscale version is **89.6803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2653, 0.3344, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **80.0568, 0.3500, 0.3542**, and if you desaturate by 10%, it is **98.9969, 0.3142, 0.3301**.

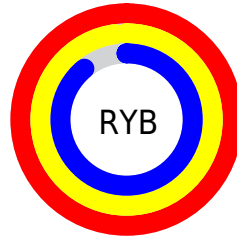
Distribution



Red (100%)

Green (94%)

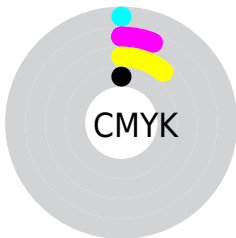
Blue (89%)



Red (100%)

Yellow (98%)

Blue (89%)

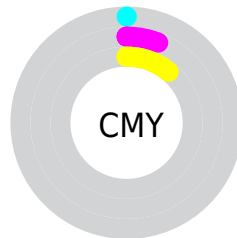


Cyan (0%)

Magenta (6%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1262, 0.3309, 0.3418 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 89.1262, 0.3309, 0.3418 by changing the saturation by 10% instead.


 89.1262, 0.3309,
0.3418

 89.1262, 0.3309,
0.3418


525.1843, 0.3228,
0.3361

 67.2561, 0.3327,
0.3430


146.1241, 0.3281,
0.3399

 49.2928, 0.3349,
0.3445


182.0206, 0.3270,
0.3391

 34.8518, 0.3376,
0.3464


223.3615, 0.3261,
0.3385

 23.5488, 0.3411,
0.3488

270.5311, 0.3253,
0.3379

 14.9992, 0.3458,
0.3519

323.9138, 0.3245,
0.3374

 8.8188, 0.3522,
0.3562

383.8939, 0.3239,

 4.6232, 0.3617,

0.3369

0.3624

450.8560, 0.3233,
0.3365

■ 2.0279, 0.3772,
0.3721

■ 0.6236, 0.4738,
0.4443

■ 89.1262, 0.3309,
0.3418

■ 89.1262, 0.3309,
0.3418

■ 80.0568, 0.3500,
0.3542

98.9969, 0.3142,
0.3301

■ 71.7888, 0.3719,
0.3669

100.0000, 0.3127,
0.3290

■ 64.2911, 0.3966,
0.3795

■ 57.5389, 0.4238,
0.3911

■ 51.5054, 0.4528,
0.4008

■ 46.1622, 0.4824,
0.4072

■ 41.4782, 0.5107,
0.4091

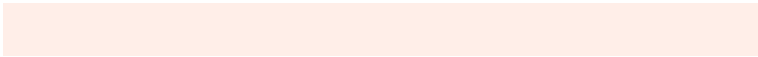
■ 37.4182, 0.5357,
0.4054

■ 34.2481, 0.5546,
0.3979

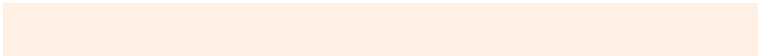
Harmonies

Analogous

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



89.1262, 0.3313, 0.3347



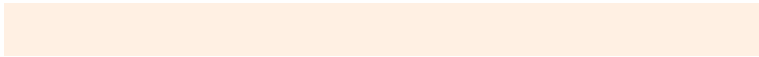
89.1262, 0.3309, 0.3418



89.1262, 0.3255, 0.3456

Triad

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



89.1262, 0.3309, 0.3418



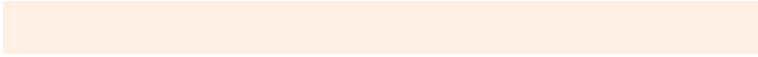
89.1262, 0.2989, 0.3317



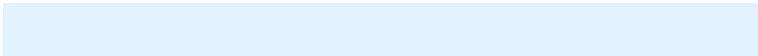
89.1262, 0.3085, 0.3137

Complementary

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



89.1262, 0.3309, 0.3418



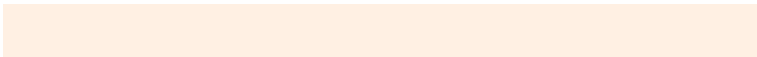
87.0831, 0.2956, 0.3159

Split Complementary

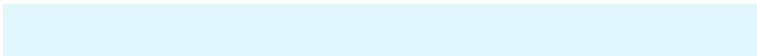
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1262, 0.2999, 0.3127



89.1262, 0.3309, 0.3418



89.1262, 0.2945, 0.3229

Square

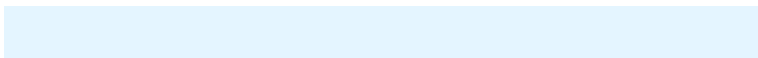
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1262, 0.3309, 0.3418



89.1262, 0.3070, 0.3398



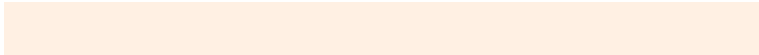
89.1262, 0.2948, 0.3160



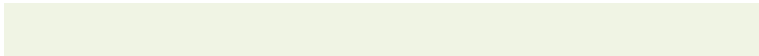
89.1262, 0.3183, 0.3186

Rectangle

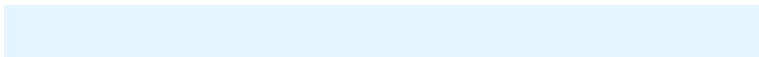
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.1262, 0.3309, 0.3418



89.1262, 0.3199, 0.3457



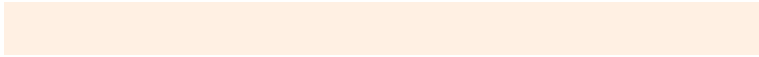
89.1262, 0.2948, 0.3160



89.1262, 0.3054, 0.3129

Sweetspot

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



89.1187, 0.3309, 0.3418



96.9252, 0.3174, 0.3324



82.6474, 0.3221, 0.3139



20.5728, 0.3187, 0.3333



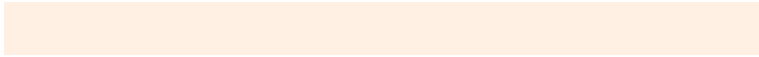
0.0000, 0.0000, 0.0000



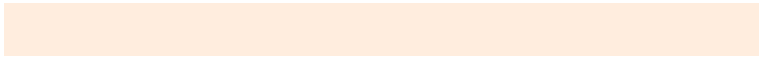
21.4041, 0.3127, 0.3290

Same Dimension

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



89.1187, 0.3309, 0.3418



87.2143, 0.3345, 0.3443



97.4382, 0.3293, 0.3548



19.3740, 0.3283, 0.3400



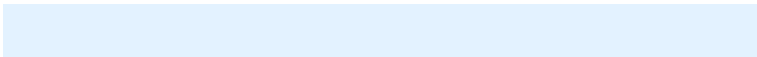
18.1871, 0.5518, 0.4000



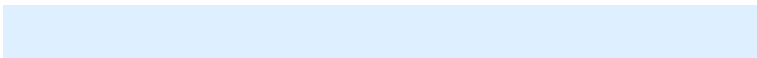
1.9867, 0.5329, 0.4151

Inverse Universe

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



87.0831, 0.2956, 0.3159



84.8360, 0.2924, 0.3132



79.2752, 0.2954, 0.3018



18.9927, 0.2979, 0.3177



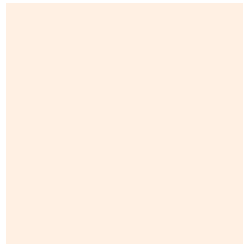
13.4037, 0.1805, 0.1698



1.5238, 0.1859, 0.1893

Previews

White Background



This preview shows how the Yxy color 89.1262, 0.3309, 0.3418 looks on a white background.

Color Contrast Check

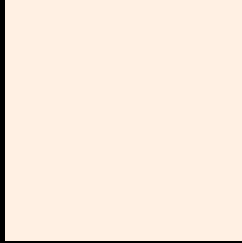
Large Text (above 18pt) WCAG AA × Fail

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 89.1262, 0.3309, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

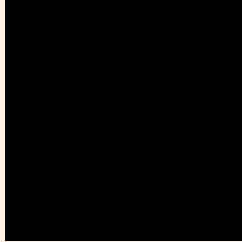
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

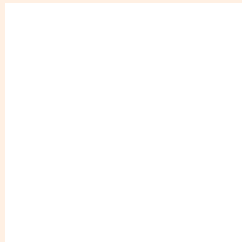
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1262, 0.3309, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 89.1262, 0.3309, 0.3418.

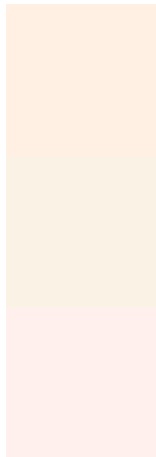


This preview shows how white text looks on a background with the Yxy color 89.1262, 0.3309, 0.3418.

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

89.1262, 0.3309, 0.3418

Protanopia

89.4297, 0.3266, 0.3429

Deuteranopia

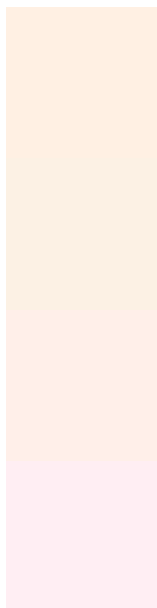
89.1074, 0.3246, 0.3310



Tritanopia

88.8566, 0.3154, 0.3145

Trichromacy



Original Color

89.1262, 0.3309, 0.3418

Protanomaly

89.2075, 0.3281, 0.3419

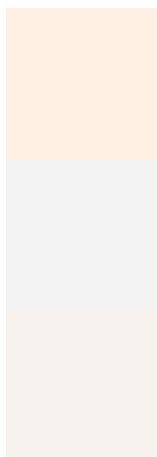
Deuteranomaly

88.8762, 0.3272, 0.3349

Tritanomaly

88.8801, 0.3209, 0.3242

Monochromacy



Original Color

89.1262, 0.3309, 0.3418

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.3928, 0.3190, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1262, 0.3309, 0.3418 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 227) }
```

Border

The CSS property to change the border of an element to Yxy 89.1262, 0.3309, 0.3418 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, 227) }
```

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

```
.border{ border-color:rgb(255, 240, 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, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1262, 0.3309, 0.3418 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, 227) }
```

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

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