

Converting Colors

$Y_{xy}(100.0000, 0.3531, 0.3383)$

Have a look what the booklet for
Yxy(100.0000, 0.3531, 0.3383)
contains.

Yxy(91.8446, 0.3267, 0.3398)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.8446, 0.3267, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4E9
RGB	255, 244, 233
RGB Percent	100%, 96%, 91%
CMY	0.0000, 0.0431, 0.0864
CMYK	0.00, 0.04, 0.09, 0.00
HSL	30°, 100%, 96%
HSV	30°, 9%, 100%
XYZ	88.3038, 91.8446, 90.1418
YIQ	246.0350, 10.0870, -1.0890

Conversions

Conversions Part 2

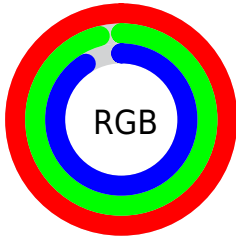
Format	Color
R _Y B	255, 255, 233
Decimal	16774377
CIE Lab	96.76, 1.86, 6.61
CIE LCh	97, 6.870, 74.257
Yxy	91.8446, 0.3267, 0.3398
Android (android.graphics.Color)	4294964457 (0xFFFFF4E9)
YUV	246.0350, -6.4263, 7.8623
Hunter-Lab	95.8356, -3.2407, 11.3175

Details

The Yxy color 91.8446, 0.3267, 0.3398 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.2235, 0.2993, 0.3180, and the grayscale version is 92.2317, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.1465, 0.3297, 0.3427 is the 20% darker color. If you saturate the color by 10%, you get 83.0882, 0.3450, 0.3530, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

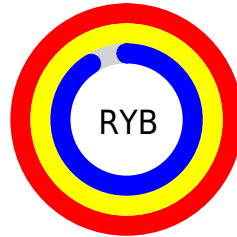
Distribution



Red (100%)

Green (96%)

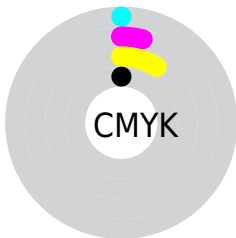
Blue (91%)



Red (100%)

Yellow (100%)

Blue (91%)

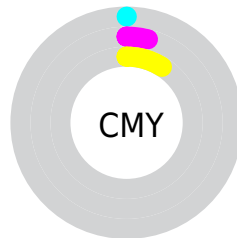


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (4%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8446, 0.3267, 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 91.8446, 0.3267, 0.3398 by changing the saturation by 10% instead.

 91.8446, 0.3267,
0.3398

 91.8446, 0.3267,
0.3398


534.0132, 0.3205,
0.3350

 69.5116, 0.3281,
0.3408

149.8980, 0.3246,
0.3382

 51.1284, 0.3297,
0.3421


186.3871, 0.3238,
0.3375

 36.3108, 0.3318,
0.3437


228.3638, 0.3230,
0.3370

 24.6744, 0.3344,
0.3457

276.2123, 0.3224,
0.3365

 15.8346, 0.3379,
0.3483

330.3171, 0.3218,
0.3361

 9.4072, 0.3427,
0.3518

391.0626, 0.3213,

 5.0077, 0.3497,

0.3357

0.3570

458.8331, 0.3209,
0.3353

■ 2.2518, 0.3611,
0.3652

■ 0.7480, 0.4074,
0.4029

■ 91.8446, 0.3267,
0.3398

■ 91.8446, 0.3267,
0.3398

■ 83.0882, 0.3450,
0.3530

100.0000, 0.3127,
0.3290

■ 75.0545, 0.3658,
0.3666

■ 67.7207, 0.3891,
0.3802

■ 61.0650, 0.4147,
0.3931

■ 55.0644, 0.4420,
0.4043

■ 49.6938, 0.4698,
0.4124

■ 44.9263, 0.4967,
0.4162

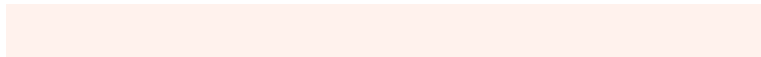
■ 40.7314, 0.5208,
0.4147

■ 37.0709, 0.5408,
0.4078

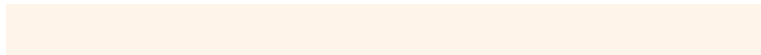
Harmonies

Analogous

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



91.8446, 0.3277, 0.3345



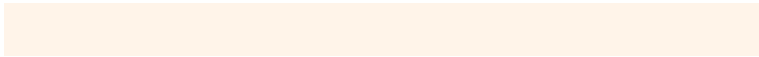
91.8446, 0.3267, 0.3398



91.8446, 0.3220, 0.3423

Triad

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



91.8446, 0.3267, 0.3398



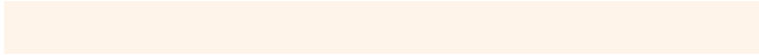
91.8446, 0.3010, 0.3301



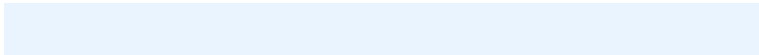
91.8446, 0.3105, 0.3172

Complementary

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



91.8446, 0.3267, 0.3398



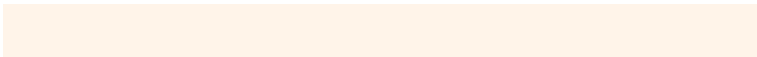
89.2235, 0.2993, 0.3180

Split Complementary

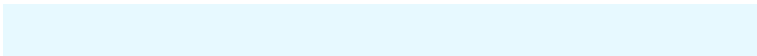
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.8446, 0.3035, 0.3160



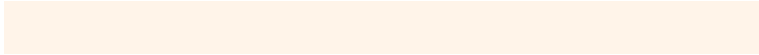
91.8446, 0.3267, 0.3398



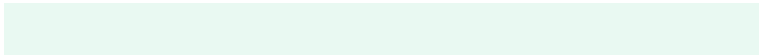
91.8446, 0.2980, 0.3233

Square

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



91.8446, 0.3267, 0.3398



91.8446, 0.3071, 0.3367



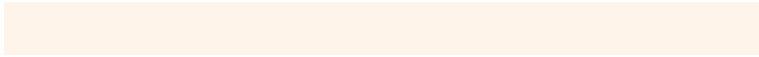
91.8446, 0.2989, 0.3181



91.8446, 0.3182, 0.3215

Rectangle

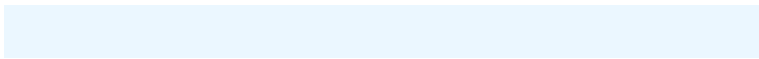
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.8446, 0.3267, 0.3398



91.8446, 0.3173, 0.3420



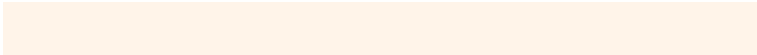
91.8446, 0.2989, 0.3181



91.8446, 0.3080, 0.3164

Sweetspot

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



91.8424, 0.3267, 0.3398



97.1037, 0.3174, 0.3327



86.0525, 0.3207, 0.3183



20.6210, 0.3187, 0.3337



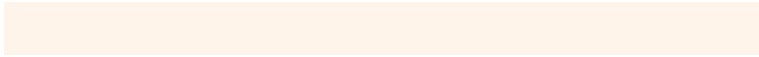
0.0000, 0.0000, 0.0000



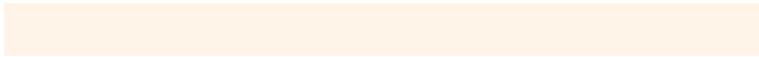
21.4041, 0.3127, 0.3290

Same Dimension

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



91.8424, 0.3267, 0.3398



90.6076, 0.3290, 0.3416



98.6616, 0.3256, 0.3503



19.4896, 0.3282, 0.3409



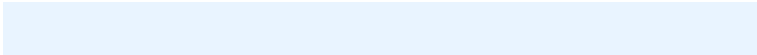
19.4275, 0.5409, 0.4087



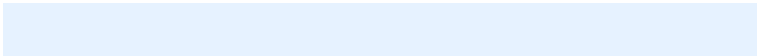
2.1100, 0.5233, 0.4227

Inverse Universe

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



89.2235, 0.2993, 0.3180



87.6043, 0.2971, 0.3161



82.8005, 0.2993, 0.3068



18.8765, 0.2979, 0.3168



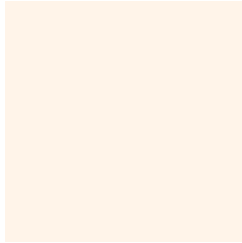
12.0489, 0.1770, 0.1572



1.3915, 0.1827, 0.1778

Previews

White Background



This preview shows how the Yxy color 91.8446, 0.3267, 0.3398 looks on a white background.

Color Contrast Check

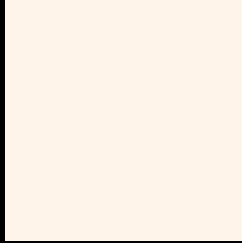
Large Text (above 18pt) WCAG AA × Fail

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 91.8446, 0.3267, 0.3398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

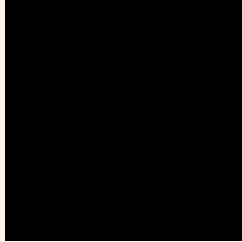
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.8446, 0.3267, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 91.8446, 0.3267, 0.3398.

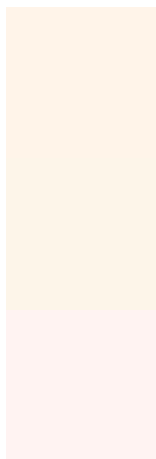


This preview shows how white text looks on a background with the Yxy color 91.8446, 0.3267, 0.3398.

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

91.8446, 0.3267, 0.3398

Protanopia

92.0707, 0.3252, 0.3408

Deuteranopia

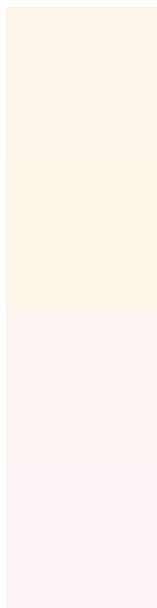
91.7720, 0.3212, 0.3300



Tritanopia

91.9843, 0.3133, 0.3165

Trichromacy



Original Color

91.8446, 0.3267, 0.3398

Protanomaly

92.2588, 0.3259, 0.3408

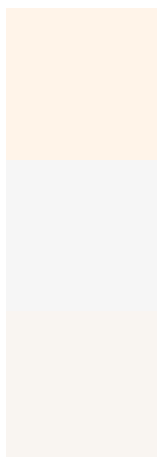
Deuteranomaly

91.5932, 0.3230, 0.3329

Tritanomaly

92.0766, 0.3181, 0.3252

Monochromacy



Original Color

91.8446, 0.3267, 0.3398

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

91.7954, 0.3177, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8446, 0.3267, 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, 244, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 233)  
}
```

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, 244, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 233) }
```

Border

The CSS property to change the border of an element to Yxy 91.8446, 0.3267, 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, 244, 233) }
```

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

```
.border{ border-color:rgb(255, 244, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8446, 0.3267, 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, 244, 233) }
```

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

```
.background{ background-color: rgb(255,  
244, 233) }
```

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