

Converting Colors

$Y_{xy}(117.8040, 0.3782, 0.3314)$

Have a look what the booklet for
Yxy(117.8040, 0.3782, 0.3314)
contains.

Yxy(95.6652, 0.3183, 0.3319)	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(95.6652, 0.3183, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9F6
RGB	255, 249, 246
RGB Percent	100%, 98%, 96%
CMY	0.0001, 0.0235, 0.0353
CMYK	0.00, 0.02, 0.04, 0.00
HSL	20°, 100%, 98%
HSV	20°, 4%, 100%
XYZ	91.7452, 95.6652, 100.8246
YIQ	250.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

Format	Color
R_{YB}	255, 251, 246
Decimal	16775670
CIE _{Lab}	98.30, 1.47, 2.13
CIE _{LCh}	98, 2.589, 55.303
Yxy	95.6652, 0.3183, 0.3319
Android (android.graphics.Color)	4294965750 (0xFFFF9F6)
YUV	250.4520, -2.1948, 3.9886
Hunter-Lab	97.8086, -3.7307, 7.3478

Details

The Yxy color 95.6652, 0.3183, 0.3319 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.4195, 0.3073, 0.3261, and the grayscale version is 96.0080, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8634, 0.3190, 0.3327 is the 20% darker color. If you saturate the color by 10%, you get 84.1916, 0.3361, 0.3406, and if you desaturate by 10%, it is 99.9961, 0.3127, 0.3290.

Distribution



Red (100%)

Green (98%)

Blue (96%)



Red (100%)

Yellow (98%)

Blue (96%)



Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (2%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.6652, 0.3183, 0.3319 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 95.6652, 0.3183, 0.3319 by changing the saturation by 10% instead.


 95.6652, 0.3183,
0.3319

 95.6652, 0.3183,
0.3319

546.2924, 0.3158,
0.3306

 72.6887, 0.3188,
0.3322

155.1833, 0.3175,
0.3315

 53.7215, 0.3195,
0.3325


192.4937, 0.3171,
0.3313

 38.3790, 0.3203,
0.3329

235.3509, 0.3169,
0.3312

 26.2770, 0.3213,
0.3334

284.1393, 0.3166,
0.3310

 17.0310, 0.3227,
0.3341

339.2432, 0.3164,
0.3309

 10.2566, 0.3245,
0.3350

401.0471, 0.3162,

 5.5694, 0.3272,

0.3308

0.3364

469.9354, 0.3160,
0.3307

■ 2.5851, 0.3314,
0.3385

■ 0.9192, 0.3397,
0.3427

■ 95.6652, 0.3183,
0.3319

■ 95.6652, 0.3183,
0.3319

■ 84.1916, 0.3361,
0.3406

99.9961, 0.3127,
0.3290

■ 73.8419, 0.3571,
0.3497

■ 64.5849, 0.3817,
0.3590

■ 56.3836, 0.4102,
0.3681

■ 49.1985, 0.4423,
0.3762

■ 42.9877, 0.4772,
0.3821

■ 37.7057, 0.5130,
0.3847

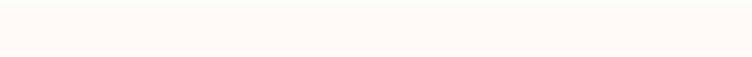
■ 33.3031, 0.5470,
0.3828

■ 29.7244, 0.5757,
0.3757

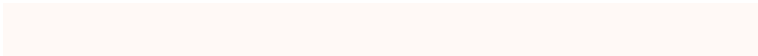
Harmonies

Analogous

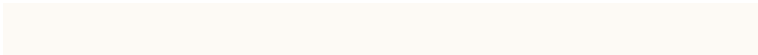
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.6652, 0.3177, 0.3295



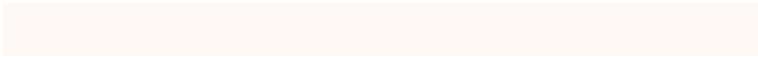
95.6652, 0.3183, 0.3319



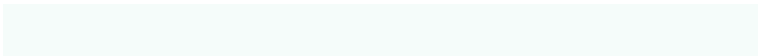
95.6652, 0.3174, 0.3335

Triad

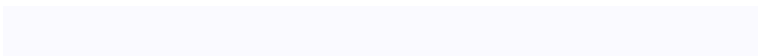
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.6652, 0.3183, 0.3319



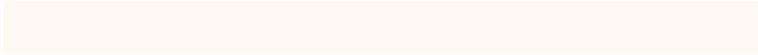
95.6652, 0.3097, 0.3310



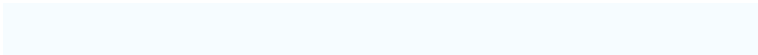
95.6652, 0.3102, 0.3242

Complementary

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



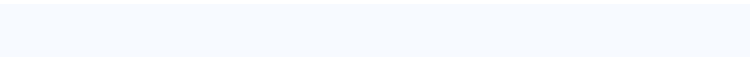
95.6652, 0.3183, 0.3319



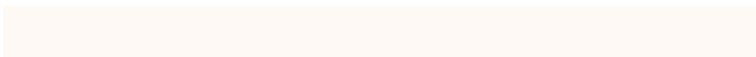
96.4195, 0.3073, 0.3261

Split Complementary

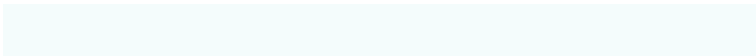
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.6652, 0.3081, 0.3245



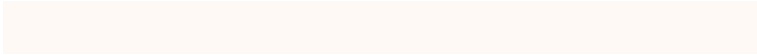
95.6652, 0.3183, 0.3319



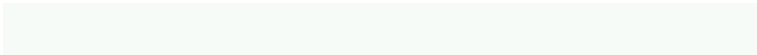
95.6652, 0.3078, 0.3285

Square

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



95.6652, 0.3183, 0.3319



95.6652, 0.3124, 0.3330



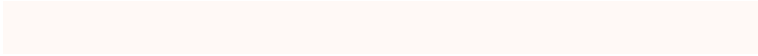
95.6652, 0.3072, 0.3261



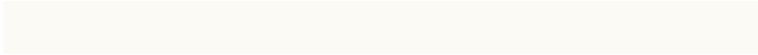
95.6652, 0.3130, 0.3251

Rectangle

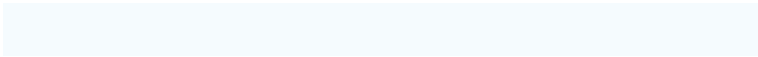
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



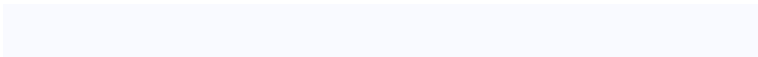
95.6652, 0.3183, 0.3319



95.6652, 0.3161, 0.3339



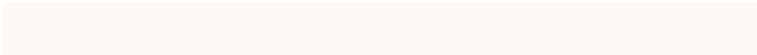
95.6652, 0.3072, 0.3261



95.6652, 0.3094, 0.3241

Sweetspot

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



95.6693, 0.3183, 0.3319



98.7592, 0.3143, 0.3298



94.2010, 0.3149, 0.3233



21.1516, 0.3142, 0.3298



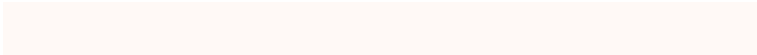
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

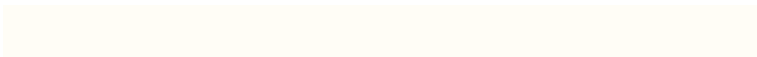
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.6693, 0.3183, 0.3319



95.1071, 0.3191, 0.3323



98.4674, 0.3180, 0.3362



20.1643, 0.3203, 0.3329



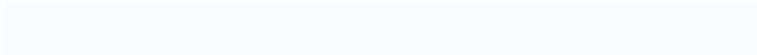
14.7778, 0.5878, 0.3715



1.6305, 0.5659, 0.3889

Inverse Universe

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



96.4195, 0.3073, 0.3261



95.9573, 0.3065, 0.3257



93.6436, 0.3074, 0.3217



20.3794, 0.3054, 0.3250



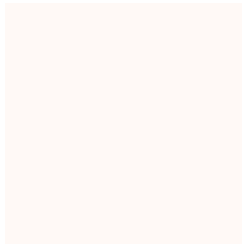
19.0110, 0.1932, 0.2154



2.0525, 0.1972, 0.2298

Previews

White Background



This preview shows how the Yxy color 95.6652, 0.3183, 0.3319 looks on a white background.

Color Contrast Check

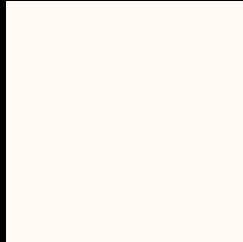
Large Text (above 18pt) WCAG AA × Fail

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 95.6652, 0.3183, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

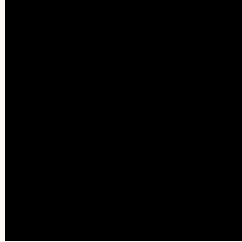
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.6652, 0.3183, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 95.6652, 0.3183, 0.3319.



This preview shows how white text looks on a background with the Yxy color 95.6652, 0.3183, 0.3319.

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

95.6652, 0.3183, 0.3319

Protanopia

95.6652, 0.3183, 0.3319

Deuteranopia

95.9135, 0.3159, 0.3281

Tritanopia

95.8540, 0.3117, 0.3233

Trichromacy



Original Color

95.6652, 0.3183, 0.3319

Protanomaly

95.6652, 0.3183, 0.3319

Deuteranomaly

95.8509, 0.3165, 0.3290

Tritanomaly

95.8505, 0.3141, 0.3261

Monochromacy



Original Color

95.6652, 0.3183, 0.3319

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

95.9062, 0.3146, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.6652, 0.3183, 0.3319 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, 249, 246) looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 246)  
}
```

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, 249, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 246) }
```

Border

The CSS property to change the border of an element to Yxy 95.6652, 0.3183, 0.3319 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, 249, 246) }
```

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

```
.border{ border-color:rgb(255, 249, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 95.6652, 0.3183, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 246) }
```

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

```
.background{ background-color: rgb(255,  
249, 246) }
```

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