

Converting Colors

$Y_{xy}(98.1101, 0.3225, 0.3341)$

Have a look what the booklet for
Yxy(98.1101, 0.3225, 0.3341)
contains.

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Color

Yxy(96.9082, 0.3182, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBF6
RGB	255, 251, 246
RGB Percent	100%, 98%, 96%
CMY	0.0000, 0.0157, 0.0353
CMYK	0.00, 0.02, 0.04, 0.00
HSL	33°, 100%, 98%
HSV	33°, 4%, 100%
XYZ	92.3792, 96.9082, 101.0307
YIQ	251.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

Format	Color
R _Y B	253, 255, 246
Decimal	16776182
CIE Lab	98.79, 0.48, 2.85
CIE LCh	99, 2.886, 80.335
Yxy	96.9082, 0.3182, 0.3338
Android (android.graphics.Color)	4294966262 (0xFFFFBF6)
YUV	251.6260, -2.7736, 2.9590
Hunter-Lab	98.4420, -4.7667, 8.0602

Details

The Yxy color 96.9082, 0.3182, 0.3338 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.1924, 0.3073, 0.3242, and the grayscale version is 97.0373, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7537, 0.3189, 0.3351 is the 20% darker color. If you saturate the color by 10%, you get 88.5675, 0.3351, 0.3480, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



Red (100%)

Green (98%)

Blue (96%)



Red (99%)

Yellow (100%)

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 96.9082, 0.3182, 0.3338 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 96.9082, 0.3182, 0.3338 by changing the saturation by 10% instead.


 96.9082, 0.3182,
0.3338

 96.9082, 0.3182,
0.3338


550.2560, 0.3158,
0.3317

 73.7242, 0.3187,
0.3343


156.8982, 0.3174,
0.3331

 54.5683, 0.3194,
0.3348

194.4731, 0.3171,
0.3328

 39.0562, 0.3201,
0.3355


237.6136, 0.3168,
0.3326

 26.8035, 0.3211,
0.3363

286.7043, 0.3165,
0.3324

 17.4257, 0.3224,
0.3375

342.1294, 0.3163,
0.3322

 10.5384, 0.3242,
0.3390

404.2735, 0.3161,

 5.7574, 0.3268,

0.3320

0.3412

473.5209, 0.3159,
0.3318

■ 2.6981, 0.3308,
0.3447

■ 0.9762, 0.3386,
0.3515

■ 96.9082, 0.3182,
0.3338

■ 96.9082, 0.3182,
0.3338

■ 88.5675, 0.3351,
0.3480

100.0000, 0.3127,
0.3290

■ 80.8515, 0.3541,
0.3628

■ 73.7427, 0.3753,
0.3779

■ 67.2232, 0.3986,
0.3926

■ 61.2743, 0.4233,
0.4060

■ 55.8754, 0.4488,
0.4170

■ 51.0047, 0.4738,
0.4244

■ 46.6376, 0.4968,
0.4270

■ 42.7458, 0.5164,
0.4240

Harmonies

Analogous

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



96.9082, 0.3189, 0.3318



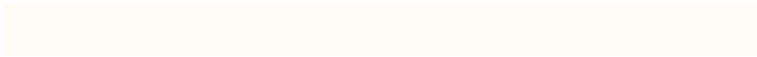
96.9082, 0.3182, 0.3338



96.9082, 0.3160, 0.3345

Triad

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



96.9082, 0.3182, 0.3338



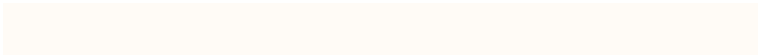
96.9082, 0.3075, 0.3289



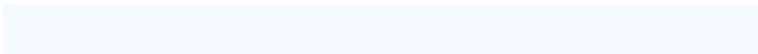
96.9082, 0.3125, 0.3244

Complementary

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



96.9082, 0.3182, 0.3338



95.1924, 0.3073, 0.3242

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.



96.9082, 0.3094, 0.3236



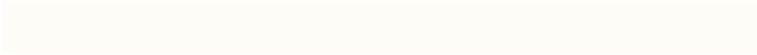
96.9082, 0.3182, 0.3338



96.9082, 0.3066, 0.3262

Square

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



96.9082, 0.3182, 0.3338



96.9082, 0.3098, 0.3317



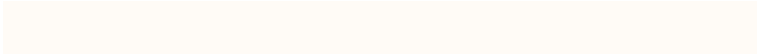
96.9082, 0.3073, 0.3242



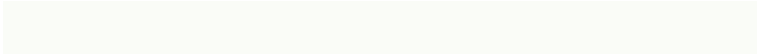
96.9082, 0.3156, 0.3264

Rectangle

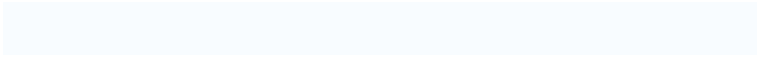
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.9082, 0.3182, 0.3338



96.9082, 0.3140, 0.3342



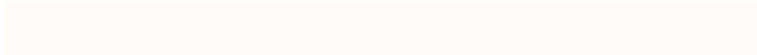
96.9082, 0.3073, 0.3242



96.9082, 0.3114, 0.3240

Sweetspot

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



96.9075, 0.3182, 0.3338



99.1148, 0.3142, 0.3304



94.0825, 0.3161, 0.3251



21.2240, 0.3142, 0.3303



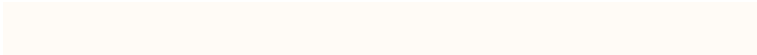
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.9075, 0.3182, 0.3338



96.4978, 0.3189, 0.3345



99.3492, 0.3176, 0.3376



20.5160, 0.3201, 0.3355



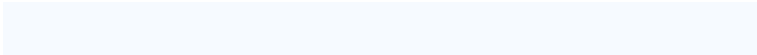
21.4427, 0.5250, 0.4214



2.3059, 0.5096, 0.4336

Inverse Universe

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



95.1924, 0.3073, 0.3242



94.5583, 0.3066, 0.3235



92.8128, 0.3077, 0.3203



20.0253, 0.3054, 0.3224



10.2893, 0.1721, 0.1396



1.2157, 0.1782, 0.1613

Previews

White Background



This preview shows how the Yxy color 96.9082, 0.3182, 0.3338 looks on a white background.

Color Contrast Check

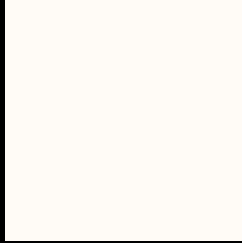
Large Text (above 18pt) WCAG AA × Fail

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 96.9082, 0.3182, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

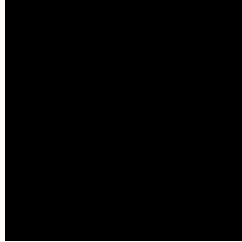
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.9082, 0.3182, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 96.9082, 0.3182, 0.3338.



This preview shows how white text looks on a background with the Yxy color 96.9082, 0.3182, 0.3338.

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

96.9082, 0.3182, 0.3338

Protanopia

97.0317, 0.3170, 0.3319

Deuteranopia

96.5962, 0.3153, 0.3281

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy



Original Color

96.9082, 0.3182, 0.3338

Protanomaly

96.9698, 0.3176, 0.3329

Deuteranomaly

96.4708, 0.3165, 0.3300

Tritanomaly

97.0935, 0.3140, 0.3280

Monochromacy



Original Color

96.9082, 0.3182, 0.3338



Achromatopsia

97.3445, 0.3127, 0.3290

Achromatomaly

97.4056, 0.3145, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9082, 0.3182, 0.3338 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, 251, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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, 251, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 246) }
```

Border

The CSS property to change the border of an element to Yxy 96.9082, 0.3182, 0.3338 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, 251, 246) }
```

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

```
.border{ border-color:rgb(255, 251, 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, 251, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9082, 0.3182, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 246) }
```

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

```
.background{ background-color: rgb(255,  
251, 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](#).

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