

Converting Colors

$Y_{xy}(100.0000, 0.3295, 0.3348)$

Have a look what the booklet for
Yxy(100.0000, 0.3295, 0.3348)
contains.

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Color

Yxy(96.8469, 0.3188, 0.3348)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBF5
RGB	255, 251, 245
RGB Percent	100%, 98%, 96%
CMY	0.0000, 0.0157, 0.0393
CMYK	0.00, 0.02, 0.04, 0.00
HSL	36°, 100%, 98%
HSV	36°, 4%, 100%
XYZ	92.2186, 96.8469, 100.2024
YIQ	251.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

Format	Color
R_{YB}	252, 255, 245
Decimal	16776181
CIE _{Lab}	98.77, 0.30, 3.34
CIE _{LCh}	99, 3.352, 84.835
Yxy	96.8469, 0.3188, 0.3348
Android (android.graphics.Color)	4294966261 (0xFFFFBF5)
YUV	251.5120, -3.2104, 3.0590
Hunter-Lab	98.4108, -4.9505, 8.5182

Details

The Yxy color 96.8469, 0.3188, 0.3348 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.3654, 0.3067, 0.3231, and the grayscale version is 96.9419, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7101, 0.3196, 0.3363 is the 20% darker color. If you saturate the color by 10%, you get 89.2145, 0.3356, 0.3502, 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 96.8469, 0.3188, 0.3348 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 96.8469, 0.3188, 0.3348 by changing the saturation by 10% instead.


 96.8469, 0.3188,
0.3348

 96.8469, 0.3188,
0.3348


550.0609, 0.3161,
0.3323

 73.6731, 0.3194,
0.3354

156.8137, 0.3179,
0.3339

 54.5265, 0.3201,
0.3360

194.3755, 0.3175,
0.3336

 39.0228, 0.3210,
0.3368


237.5021, 0.3172,
0.3333

 26.7774, 0.3221,
0.3379

286.5779, 0.3170,
0.3330

 17.4061, 0.3235,
0.3393

341.9873, 0.3167,
0.3328

 10.5245, 0.3255,
0.3411

404.1147, 0.3165,

 5.7481, 0.3283,

0.3326

0.3438

473.3444, 0.3163,
0.3324

■ 2.6925, 0.3328,
0.3481

■ 0.9734, 0.3418,
0.3566

■ 96.8469, 0.3188,
0.3348

■ 96.8469, 0.3188,
0.3348

■ 89.2145, 0.3356,
0.3502

100.0000, 0.3127,
0.3290

■ 82.1218, 0.3543,
0.3662

■ 75.5562, 0.3749,
0.3824

■ 69.5019, 0.3971,
0.3981

■ 63.9425, 0.4205,
0.4125

■ 58.8600, 0.4441,
0.4244

■ 54.2347, 0.4668,
0.4326

■ 50.0447, 0.4874,
0.4359

■ 46.2644, 0.5046,
0.4338

Harmonies

Analogous

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



96.8469, 0.3199, 0.3327



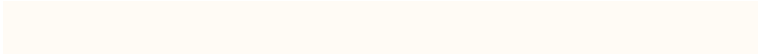
96.8469, 0.3188, 0.3348



96.8469, 0.3160, 0.3354

Triad

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



96.8469, 0.3188, 0.3348



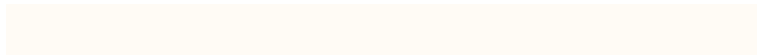
96.8469, 0.3064, 0.3284



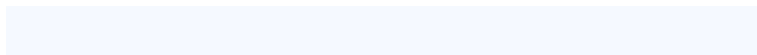
96.8469, 0.3130, 0.3239

Complementary

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



96.8469, 0.3188, 0.3348



94.3654, 0.3067, 0.3231

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.



96.8469, 0.3094, 0.3227



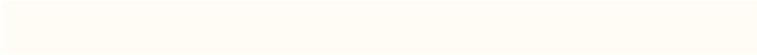
96.8469, 0.3188, 0.3348



96.8469, 0.3056, 0.3253

Square

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



96.8469, 0.3188, 0.3348



96.8469, 0.3089, 0.3317



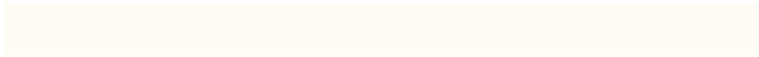
96.8469, 0.3067, 0.3232



96.8469, 0.3166, 0.3264

Rectangle

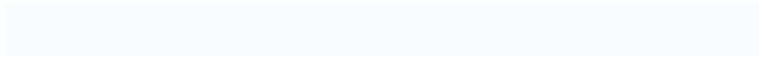
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.8469, 0.3188, 0.3348



96.8469, 0.3137, 0.3348



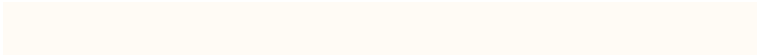
96.8469, 0.3067, 0.3232



96.8469, 0.3118, 0.3233

Sweetspot

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



96.8490, 0.3188, 0.3348



99.1898, 0.3142, 0.3305



93.3921, 0.3168, 0.3252



21.2393, 0.3142, 0.3304



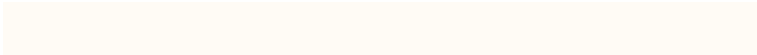
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.8490, 0.3188, 0.3348



96.0051, 0.3205, 0.3364



99.1819, 0.3179, 0.3386



20.4313, 0.3216, 0.3375



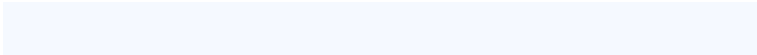
23.3692, 0.5116, 0.4320



2.4892, 0.4982, 0.4426

Inverse Universe

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



94.3654, 0.3067, 0.3231



92.8673, 0.3050, 0.3215



92.1030, 0.3074, 0.3192



19.6689, 0.3039, 0.3204



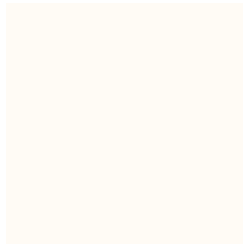
8.9766, 0.1682, 0.1255



1.0806, 0.1744, 0.1478

Previews

White Background



This preview shows how the Yxy color 96.8469, 0.3188, 0.3348 looks on a white background.

Color Contrast Check

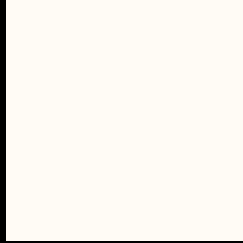
Large Text (above 18pt) WCAG AA × Fail

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 96.8469, 0.3188, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

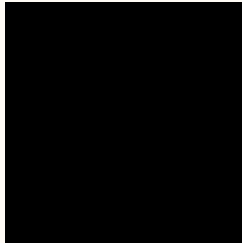
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.8469, 0.3188, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 96.8469, 0.3188, 0.3348.



This preview shows how white text looks on a background with the Yxy color 96.8469, 0.3188, 0.3348.

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

96.8469, 0.3188, 0.3348

Protanopia

96.9698, 0.3176, 0.3329

Deuteranopia

96.5962, 0.3153, 0.3281

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy



Original Color

96.8469, 0.3188, 0.3348

Protanomaly

96.9082, 0.3182, 0.3338

Deuteranomaly

96.4708, 0.3165, 0.3300

Tritanomaly

97.0302, 0.3146, 0.3290

Monochromacy



Original Color

96.8469, 0.3188, 0.3348

Achromatopsia

97.3445, 0.3127, 0.3290

Achromatomaly

97.3430, 0.3151, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8469, 0.3188, 0.3348 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 245) }
```

Border

The CSS property to change the border of an element to Yxy 96.8469, 0.3188, 0.3348 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, 245) }
```

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

```
.border{ border-color:rgb(255, 251, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8469, 0.3188, 0.3348 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, 245) }
```

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

```
.background{ background-color: rgb(255,  
251, 245) }
```

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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