

Converting Colors

$Y_{xy}(97.1650, 0.3158, 0.3313)$

Have a look what the booklet for
Yxy(97.1650, 0.3158, 0.3313)
contains.

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Color

Yxy(96.9047, 0.3158, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	FEFBF9
RGB	254, 251, 249
RGB Percent	100%, 98%, 98%
CMY	0.0037, 0.0157, 0.0235
CMYK	0.00, 0.01, 0.02, 0.00
HSL	24°, 72%, 99%
HSV	24°, 2%, 100%
XYZ	92.4826, 96.9047, 103.4646
YIQ	251.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

Format	Color
RYB	254, 252, 249
Decimal	16710649
CIELab	98.79, 0.68, 1.29
CIELCh	99, 1.455, 62.351
Yxy	96.9047, 0.3158, 0.3309
Android (android.graphics.Color)	4294900729 (0xFFFEFBF9)
YUV	251.6690, -1.3158, 2.0443
Hunter-Lab	98.4402, -4.5731, 6.5920

Details

The Yxy color 96.9047, 0.3158, 0.3309 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.9659, 0.3097, 0.3271, and the grayscale version is 97.0727, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7508, 0.3158, 0.3314 is the 20% darker color. If you saturate the color by 10%, you get 86.1813, 0.3329, 0.3409, and if you desaturate by 10%, it is 99.8193, 0.3121, 0.3290.

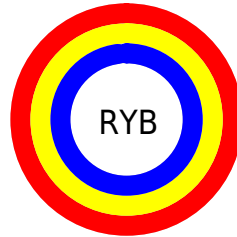
Distribution



Red (100%)

Green (98%)

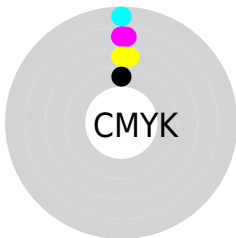
Blue (98%)



Red (100%)

Yellow (99%)

Blue (98%)



Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.9047, 0.3158, 0.3309 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 96.9047, 0.3158, 0.3309 by changing the saturation by 10% instead.


 96.9047, 0.3158,
0.3309

 96.9047, 0.3158,
0.3309


550.2449, 0.3144,
0.3301

 73.7213, 0.3161,
0.3311


156.8934, 0.3153,
0.3306

 54.5659, 0.3164,
0.3313


194.4675, 0.3152,
0.3305

 39.0543, 0.3169,
0.3316


237.6072, 0.3150,
0.3304

 26.8020, 0.3174,
0.3319

286.6970, 0.3149,
0.3303

 17.4246, 0.3182,
0.3323

342.1213, 0.3147,
0.3303

 10.5377, 0.3192,
0.3329

404.2645, 0.3146,

 5.7569, 0.3206,

0.3302

473.5108, 0.3145,
0.3301

0.3338

■ 2.6978, 0.3229,
0.3352

■ 0.9761, 0.3270,
0.3376

■ 96.9047, 0.3158,
0.3309

■ 96.9047, 0.3158,
0.3309

■ 86.1813, 0.3329,
0.3409

99.8193, 0.3121,
0.3290

■ 76.4262, 0.3529,
0.3515

■ 67.6151, 0.3761,
0.3624

■ 59.7181, 0.4026,
0.3731

■ 52.7037, 0.4323,
0.3828

■ 46.5381, 0.4644,
0.3906

■ 41.1852, 0.4974,
0.3951

■ 36.6056, 0.5291,
0.3949

■ 32.7551, 0.5567,
0.3894

Harmonies

Analogous

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



96.9047, 0.3157, 0.3296



96.9047, 0.3158, 0.3309



96.9047, 0.3151, 0.3317

Triad

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



96.9047, 0.3158, 0.3309



96.9047, 0.3107, 0.3298



96.9047, 0.3117, 0.3263

Complementary

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



96.9047, 0.3158, 0.3309



96.9659, 0.3097, 0.3271

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.



96.9047, 0.3103, 0.3264



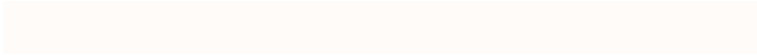
96.9047, 0.3158, 0.3309



96.9047, 0.3098, 0.3284

Square

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



96.9047, 0.3158, 0.3309



96.9047, 0.3122, 0.3310



96.9047, 0.3097, 0.3271



96.9047, 0.3133, 0.3270

Rectangle

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



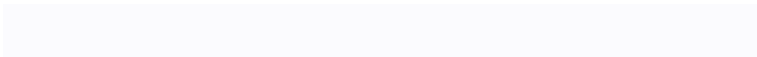
96.9047, 0.3158, 0.3309



96.9047, 0.3143, 0.3318



96.9047, 0.3097, 0.3271



96.9047, 0.3112, 0.3263

Sweetspot

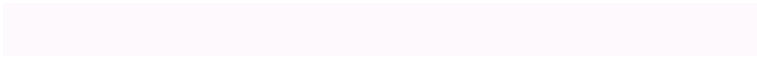
The Sweet Spot groups the original color and five complimentary colors.



96.9089, 0.3158, 0.3309



98.8529, 0.3143, 0.3300



95.8764, 0.3141, 0.3260



21.1707, 0.3142, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

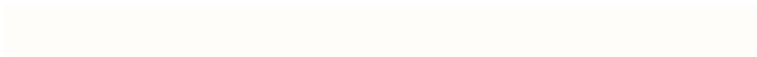
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.9089, 0.3158, 0.3309



97.7159, 0.3158, 0.3309



98.4600, 0.3157, 0.3333



20.9392, 0.3157, 0.3308



16.1577, 0.5721, 0.3840



1.7786, 0.5511, 0.4006

Inverse Universe

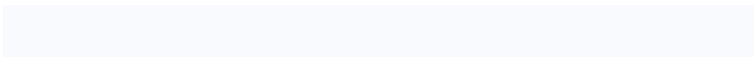
The Inverse Universe completely reimagines the original color for something new.



96.9659, 0.3097, 0.3271



97.7740, 0.3096, 0.3271



95.4261, 0.3098, 0.3247



20.9511, 0.3098, 0.3272



16.2927, 0.1874, 0.1946



1.7993, 0.1921, 0.2115

Previews

White Background



This preview shows how the Yxy color 96.9047, 0.3158, 0.3309 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 96.9047, 0.3158, 0.3309 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 96.9047, 0.3158, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 96.9047, 0.3158, 0.3309.



This preview shows how white text looks on a background with the Yxy color 96.9047, 0.3158, 0.3309.

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

96.9047, 0.3158, 0.3309

Protanopia

97.0939, 0.3164, 0.3309

Deuteranopia

96.5962, 0.3153, 0.3281

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy

Original Color

96.9047, 0.3158, 0.3309

Protanomaly

97.0939, 0.3164, 0.3309

Deuteranomaly

96.5333, 0.3159, 0.3290

Tritanomaly

96.9689, 0.3128, 0.3271

Monochromacy

Original Color

96.9047, 0.3158, 0.3309

Achromatopsia

97.3445, 0.3127, 0.3290

Achromatomaly

97.4685, 0.3139, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9047, 0.3158, 0.3309 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(254, 251, 249)` looks like.

```
.text, #text, p{  
    color:rgb(254, 251, 249)  
}
```

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(254, 251, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 251, 249) }
```

Border

The CSS property to change the border of an element to Yxy 96.9047, 0.3158, 0.3309 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(254, 251, 249) }
```

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

```
.border{ border-color:rgb(254, 251, 249) }
```

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

Here you see how a box with a 4 pixel rgb(254, 251, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 251, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 251, 249);  
box-shadow:4px 4px 4px 4px rgb(254, 251,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9047, 0.3158, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 251, 249) }
```

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

```
.background{ background-color: rgb(254,  
251, 249) }
```

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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