

Converting Colors

$Y_{xy}(93.6370, 0.3156, 0.3353)$

Have a look what the booklet for
Yxy(93.6370, 0.3156, 0.3353)
contains.

Yxy(93.3198, 0.3156, 0.3349)	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(93.3198, 0.3156, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	F7F8F2
RGB	247, 248, 242
RGB Percent	97%, 97%, 95%
CMY	0.0315, 0.0274, 0.0509
CMYK	0.00, 0.00, 0.02, 0.03
HSL	71°, 30%, 96%
HSV	71°, 2%, 97%
XYZ	87.9419, 93.3198, 97.3881
YIQ	247.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

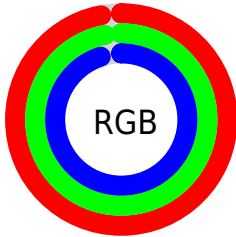
Format	Color
R _Y B	242, 248, 243
Decimal	16251122
CIE Lab	97.36, -1.39, 2.74
CIE LCh	97, 3.078, 116.887
Yxy	93.3198, 0.3156, 0.3349
Android (android.graphics.Color)	4294441202 (0xFF7F8F2)
YUV	247.0170, -2.4734, -0.0149
Hunter-Lab	96.6022, -6.5562, 7.8492

Details

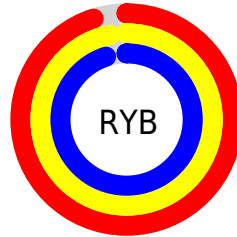
The Yxy color 93.3198, 0.3156, 0.3349 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.3554, 0.3098, 0.3231, and the grayscale version is 93.0446, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 52.3208, 0.3164, 0.3365 is the 20% darker color. If you saturate the color by 10%, you get 91.1473, 0.3277, 0.3601, and if you desaturate by 10%, it is 94.9368, 0.3107, 0.3223.

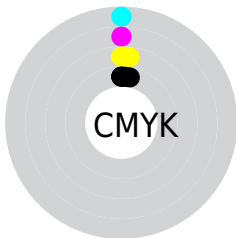
Distribution



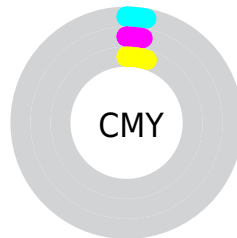
- Red (97%)
- Green (97%)
- Blue (95%)



- Red (95%)
- Yellow (97%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.3198, 0.3156, 0.3349 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 93.3198, 0.3156, 0.3349 by changing the saturation by 10% instead.

 93.3198, 0.3156,
0.3349

 93.3198, 0.3156,
0.3349


538.7719, 0.3143,
0.3323

 70.7373, 0.3159,
0.3355

151.9413, 0.3152,
0.3340

 52.1279, 0.3162,
0.3362


188.7491, 0.3150,
0.3337

 37.1070, 0.3166,
0.3370


231.0675, 0.3149,
0.3334

 25.2904, 0.3172,
0.3381

279.2809, 0.3147,
0.3331

 16.2935, 0.3179,
0.3396

333.7736, 0.3146,
0.3329

 9.7321, 0.3188,
0.3416

394.9301, 0.3145,

 5.2217, 0.3202,

0.3326

463.1347, 0.3144,
0.3325

0.3445

■ 2.3779, 0.3224,
0.3492

■ 0.8145, 0.3290,
0.3621

■ 93.3198, 0.3156,
0.3349

■ 93.3198, 0.3156,
0.3349

■ 91.1473, 0.3277,
0.3601

■ 94.9368, 0.3107,
0.3223

■ 89.1833, 0.3399,
0.3864

■ 95.6258, 0.3130,
0.3223

■ 87.4231, 0.3518,
0.4129

■ 85.8573, 0.3629,
0.4390

■ 84.4757, 0.3727,
0.4635

■ 83.2672, 0.3805,
0.4853

■ 82.2190, 0.3860,
0.5033

■ 81.3169, 0.3888,
0.5170

■ 80.5432, 0.3891,
0.5259

Harmonies

Analogous

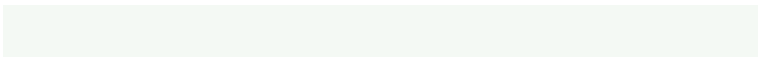
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3198, 0.3182, 0.3345



93.3198, 0.3156, 0.3349



93.3198, 0.3122, 0.3337

Triad

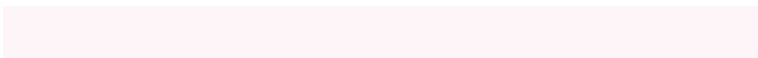
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.3198, 0.3156, 0.3349



93.3198, 0.3061, 0.3254



93.3198, 0.3165, 0.3268

Complementary

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



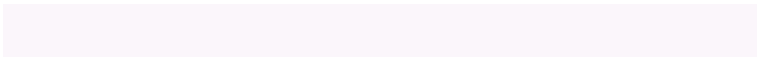
93.3198, 0.3156, 0.3349



89.3554, 0.3098, 0.3231

Split Complementary

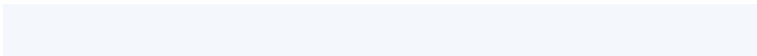
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.3198, 0.3132, 0.3244



93.3198, 0.3156, 0.3349



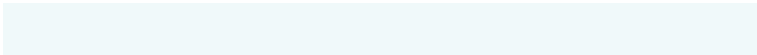
93.3198, 0.3072, 0.3236

Square

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



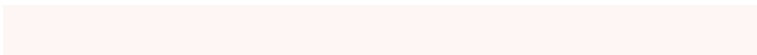
93.3198, 0.3156, 0.3349



93.3198, 0.3067, 0.3282



93.3198, 0.3098, 0.3232



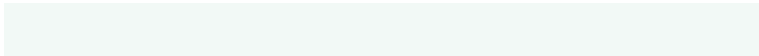
93.3198, 0.3188, 0.3298

Rectangle

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



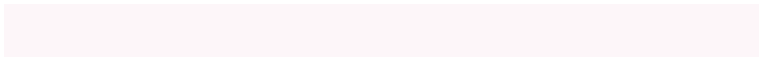
93.3198, 0.3156, 0.3349



93.3198, 0.3100, 0.3322



93.3198, 0.3098, 0.3232



93.3198, 0.3155, 0.3259

Sweetspot

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



93.3238, 0.3156, 0.3349



99.7517, 0.3139, 0.3314



90.4789, 0.3166, 0.3300



21.3536, 0.3138, 0.3313



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.



93.3238, 0.3156, 0.3349



99.2621, 0.3163, 0.3363



92.7926, 0.3137, 0.3349



20.2997, 0.3172, 0.3383



43.2767, 0.3884, 0.5298



4.0474, 0.3923, 0.5267

Inverse Universe

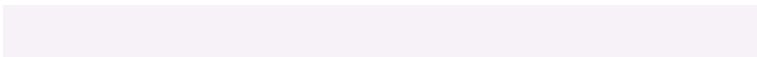
The Inverse Universe completely reimagines the original color for something new.



89.3554, 0.3098, 0.3231



94.0403, 0.3091, 0.3216



89.8840, 0.3117, 0.3231



18.9537, 0.3081, 0.3196



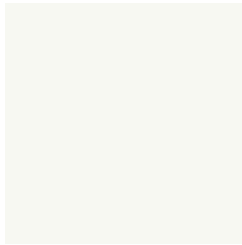
3.9890, 0.1579, 0.0643



0.4088, 0.1677, 0.0697

Previews

White Background



This preview shows how the Yxy color 93.3198, 0.3156, 0.3349 looks on a white background.

Color Contrast Check

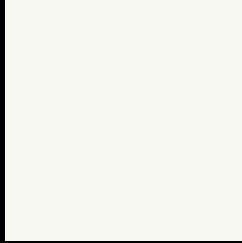
Large Text (above 18pt) WCAG AA × Fail

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 93.3198, 0.3156, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

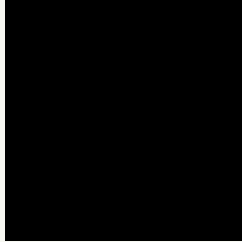
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

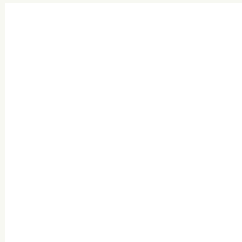
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 93.3198, 0.3156, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 93.3198, 0.3156, 0.3349.

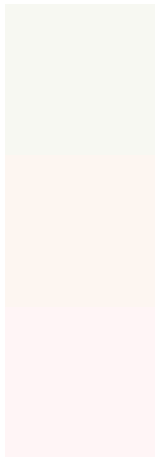


This preview shows how white text looks on a background with the Yxy color 93.3198, 0.3156, 0.3349.

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

93.3198, 0.3156, 0.3349

Protanopia

93.1451, 0.3202, 0.3339

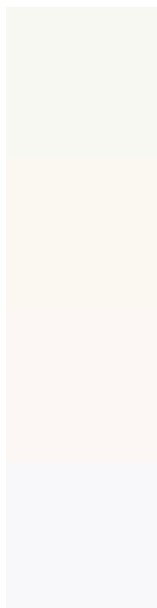
Deuteranopia

93.2186, 0.3186, 0.3281

Tritanopia

93.2713, 0.3093, 0.3203

Trichromacy



Original Color

93.3198, 0.3156, 0.3349

Protanomaly

93.3816, 0.3189, 0.3349

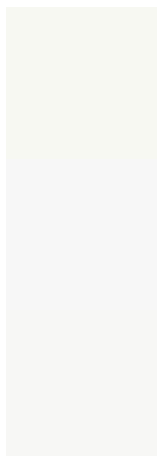
Deuteranomaly

93.1996, 0.3172, 0.3300

Tritanomaly

93.3801, 0.3116, 0.3261

Monochromacy



Original Color

93.3198, 0.3156, 0.3349

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

92.8883, 0.3139, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.3198, 0.3156, 0.3349 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 $rgb(247, 248, 242)$ looks like.

```
.text, #text, p{  
    color:rgb(247, 248, 242)  
}
```

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(247, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 248, 242) }
```

Border

The CSS property to change the border of an element to Yxy 93.3198, 0.3156, 0.3349 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(247, 248, 242) }
```

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

```
.border{ border-color:rgb(247, 248, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 248,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 93.3198, 0.3156, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 248, 242) }
```

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

```
.background{ background-color: rgb(247,  
248, 242) }
```

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