

Converting Colors

$Y_{xy}(89.7731, 0.3158, 0.3344)$

Have a look what the booklet for
Yxy(89.7731, 0.3158, 0.3344)
contains.

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Color

Yxy(89.9291, 0.3157, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F3F4EE
RGB	243, 244, 238
RGB Percent	95%, 96%, 93%
CMY	0.0470, 0.0431, 0.0667
CMYK	0.00, 0.00, 0.02, 0.04
HSL	70°, 21%, 95%
HSV	70°, 2%, 96%
XYZ	84.7481, 89.9291, 93.7679
YIQ	243.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

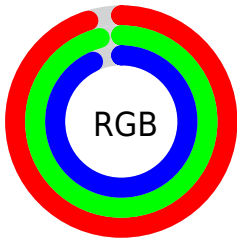
Format	Color
R _Y B	238, 244, 239
Decimal	15987950
CIE Lab	95.97, -1.37, 2.77
CIE LCh	96, 3.088, 116.375
Yxy	89.9291, 0.3157, 0.3350
Android (android.graphics.Color)	4294178030 (0xFFFF3F4EE)
YUV	243.0170, -2.4734, -0.0149
Hunter-Lab	94.8310, -6.4331, 7.7563

Details

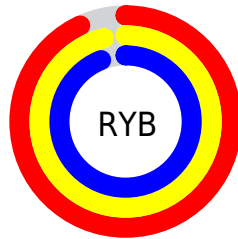
The Yxy color **89.9291, 0.3157, 0.3350** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.0177, 0.3097, 0.3230**, and the grayscale version is **89.6650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9086, 0.3165, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **87.8930, 0.3280, 0.3602**, and if you desaturate by 10%, it is **91.6978, 0.3081, 0.3183**.

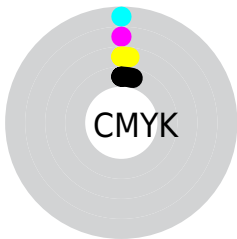
Distribution



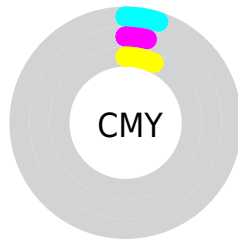
- Red (95%)
- Green (96%)
- Blue (93%)



- Red (93%)
- Yellow (96%)
- Blue (94%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9291, 0.3157, 0.3350 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 89.9291, 0.3157, 0.3350 by changing the saturation by 10% instead.


 89.9291, 0.3157,
0.3350

 89.9291, 0.3157,
0.3350


527.8002, 0.3144,
0.3323

 67.9218, 0.3160,
0.3356

147.2399, 0.3153,
0.3341

 49.8342, 0.3163,
0.3363


183.3122, 0.3151,
0.3337

 35.2816, 0.3168,
0.3372


224.8417, 0.3149,
0.3334

 23.8799, 0.3173,
0.3383

272.2128, 0.3148,
0.3331

 15.2446, 0.3181,
0.3399

325.8097, 0.3147,
0.3329

 8.9912, 0.3191,
0.3420

386.0170, 0.3146,

 4.7354, 0.3206,

0.3327

0.3451

453.2190, 0.3145,
0.3325

■ 2.0929, 0.3230,
0.3502

■ 0.6606, 0.3338,
0.3709

■ 89.9291, 0.3157,
0.3350

■ 89.9291, 0.3157,
0.3350

■ 87.8930, 0.3280,
0.3602

■ 91.6978, 0.3081,
0.3183

■ 86.0550, 0.3404,
0.3863

■ 92.4303, 0.3106,
0.3184

■ 84.4105, 0.3526,
0.4128

■ 93.1784, 0.3132,
0.3185

■ 82.9505, 0.3639,
0.4386

■ 93.1827, 0.3132,
0.3185

■ 81.6653, 0.3739,
0.4629

■ 80.5441, 0.3819,
0.4844

■ 79.5748, 0.3876,
0.5022

■ 78.7436, 0.3907,
0.5155

■ 78.0337, 0.3912,
0.5242

Harmonies

Analogous

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



89.9291, 0.3184, 0.3345



89.9291, 0.3157, 0.3350



89.9291, 0.3123, 0.3338

Triad

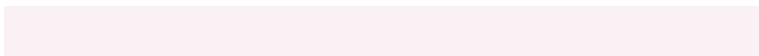
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9291, 0.3157, 0.3350



89.9291, 0.3060, 0.3254



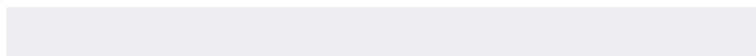
89.9291, 0.3165, 0.3267

Complementary

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



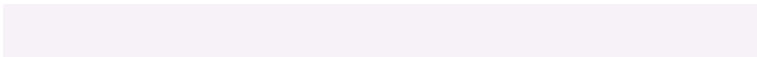
89.9291, 0.3157, 0.3350



86.0177, 0.3097, 0.3230

Split Complementary

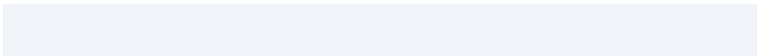
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9291, 0.3132, 0.3243



89.9291, 0.3157, 0.3350



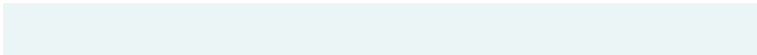
89.9291, 0.3071, 0.3235

Square

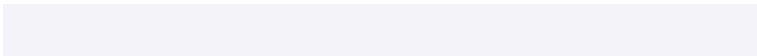
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



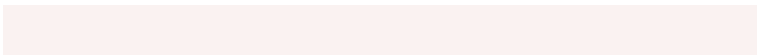
89.9291, 0.3157, 0.3350



89.9291, 0.3067, 0.3283



89.9291, 0.3097, 0.3231



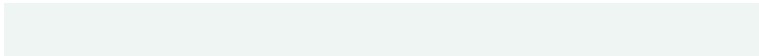
89.9291, 0.3188, 0.3297

Rectangle

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



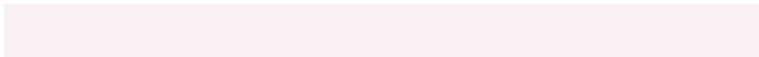
89.9291, 0.3157, 0.3350



89.9291, 0.3100, 0.3323



89.9291, 0.3097, 0.3231



89.9291, 0.3155, 0.3258

Sweetspot

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



89.9330, 0.3157, 0.3350



99.7579, 0.3139, 0.3314



87.0732, 0.3167, 0.3299



21.3549, 0.3139, 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.



89.9330, 0.3157, 0.3350



99.2808, 0.3164, 0.3363



89.4161, 0.3138, 0.3350



19.4222, 0.3173, 0.3383



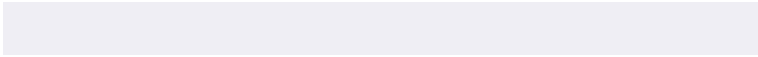
42.2230, 0.3907, 0.5279



3.7467, 0.3945, 0.5249

Inverse Universe

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



86.0177, 0.3097, 0.3230



94.0221, 0.3090, 0.3216



86.5314, 0.3116, 0.3230



18.1283, 0.3080, 0.3196



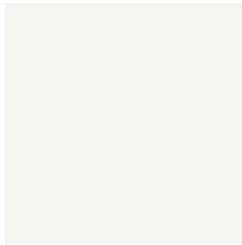
3.8338, 0.1570, 0.0639



0.3740, 0.1671, 0.0694

Previews

White Background



This preview shows how the Yxy color 89.9291, 0.3157, 0.3350 looks on a white background.

Color Contrast Check

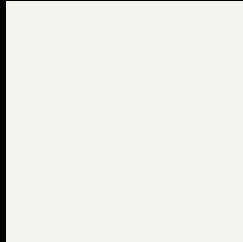
Large Text (above 18pt) WCAG AA × Fail

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 89.9291, 0.3157, 0.3350 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

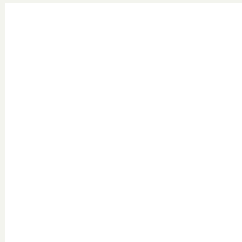
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9291, 0.3157, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 89.9291, 0.3157, 0.3350.

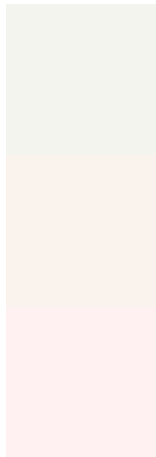


This preview shows how white text looks on a background with the Yxy color 89.9291, 0.3157, 0.3350.

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

89.9291, 0.3157, 0.3350

Protanopia

89.7584, 0.3204, 0.3340

Deuteranopia

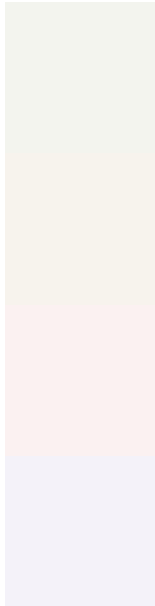
89.9910, 0.3214, 0.3271



Tritanopia

89.5431, 0.3069, 0.3153

Trichromacy



Original Color

89.9291, 0.3157, 0.3350

Protanomaly

89.9898, 0.3190, 0.3350

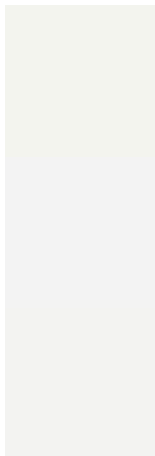
Deuteranomaly

89.7707, 0.3193, 0.3290

Tritanomaly

89.5769, 0.3098, 0.3221

Monochromacy



Original Color

89.9291, 0.3157, 0.3350

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5067, 0.3139, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9291, 0.3157, 0.3350 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(243, 244, 238)` looks like.

```
.text, #text, p{  
    color:rgb(243, 244, 238)  
}
```

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(243, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 244, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.9291, 0.3157, 0.3350 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(243, 244, 238) }
```

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

```
.border{ border-color:rgb(243, 244, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 244, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 244, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 244, 238);  
box-shadow:4px 4px 4px 4px rgb(243, 244,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9291, 0.3157, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 244, 238) }
```

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

```
.background{ background-color: rgb(243,  
244, 238) }
```

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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