

Converting Colors

$Y_{xy}(89.5226, 0.3143, 0.3290)$

Have a look what the booklet for
Yxy(89.5226, 0.3143, 0.3290)
contains.

Yxy(89.3275, 0.3147, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(89.3275, 0.3147, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	F5F2F2
RGB	245, 242, 242
RGB Percent	96%, 95%, 95%
CMY	0.0391, 0.0510, 0.0510
CMYK	0.00, 0.01, 0.01, 0.04
HSL	360°, 13%, 95%
HSV	360°, 1%, 96%
XYZ	85.4449, 89.3275, 96.7398
YIQ	242.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

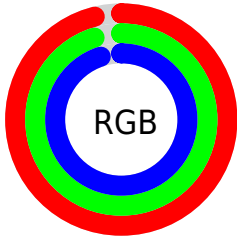
Format	Color
R_{YB}	245, 242, 242
Decimal	16118514
CIE Lab	95.72, 1.02, 0.35
CIE LCh	96, 1.079, 18.685
Yxy	89.3275, 0.3147, 0.3290
Android (android.graphics.Color)	4294308594 (0xFF5F2F2)
YUV	242.8970, -0.4422, 1.8443
Hunter-Lab	94.5132, -4.0249, 5.4725

Details

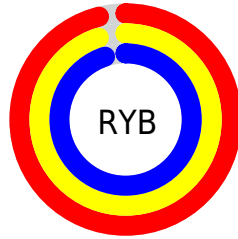
The Yxy color $89.3275, 0.3147, 0.3290$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $90.8003, 0.3108, 0.3290$, and the grayscale version is $89.5504, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $49.4818, 0.3152, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $74.3355, 0.3329, 0.3290$, and if you desaturate by 10%, it is $98.1597, 0.3066, 0.3290$.

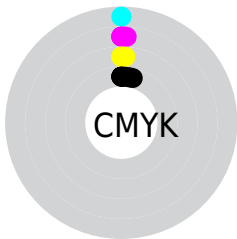
Distribution



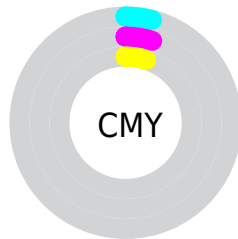
- Red (96%)
- Green (95%)
- Blue (95%)



- Red (96%)
- Yellow (95%)
- Blue (95%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.3275, 0.3147, 0.3290 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 89.3275, 0.3147, 0.3290 by changing the saturation by 10% instead.

 89.3275, 0.3147,
0.3290

 89.3275, 0.3147,
0.3290


525.8408, 0.3138,
0.3290

 67.4230, 0.3149,
0.3290


146.4039, 0.3144,
0.3290

 49.4285, 0.3151,
0.3290


182.3446, 0.3143,
0.3290

 34.9595, 0.3154,
0.3290


223.7329, 0.3142,
0.3290

 23.6317, 0.3158,
0.3290

270.9530, 0.3141,
0.3290

 15.0606, 0.3163,
0.3290

324.3895, 0.3140,
0.3290

 8.8619, 0.3170,
0.3290

384.4267, 0.3139,

 4.6512, 0.3180,

0.3290

0.3289

451.4490, 0.3139,
0.3290

■ 2.0441, 0.3197,
0.3289

■ 0.6329, 0.3256,
0.3289

■ 89.3275, 0.3147,
0.3290

■ 89.3275, 0.3147,
0.3290

■ 74.3355, 0.3329,
0.3290

■ 98.1597, 0.3066,
0.3290

■ 61.4058, 0.3557,
0.3291

■ 50.4517, 0.3841,
0.3291

■ 41.3760, 0.4191,
0.3292

■ 34.0732, 0.4609,
0.3293

■ 28.4274, 0.5079,
0.3294

■ 24.3091, 0.5561,
0.3296

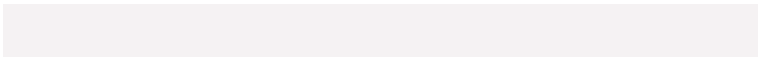
■ 21.5694, 0.5984,
0.3297

■ 20.0298, 0.6273,
0.3299

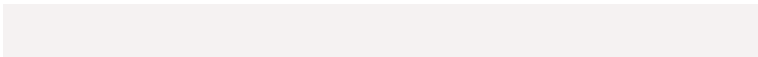
Harmonies

Analogous

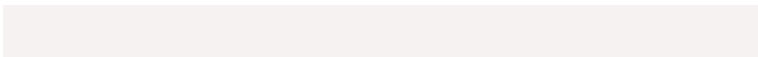
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3275, 0.3138, 0.3280



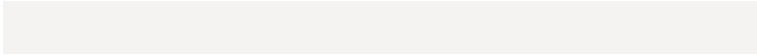
89.3275, 0.3147, 0.3290



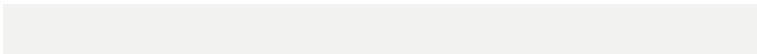
89.3275, 0.3151, 0.3301

Triad

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



89.3275, 0.3147, 0.3290



89.3275, 0.3129, 0.3309



89.3275, 0.3106, 0.3272

Complementary

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



89.3275, 0.3147, 0.3290



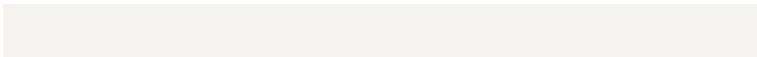
90.8003, 0.3108, 0.3290

Split Complementary

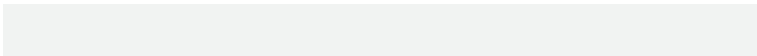
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3275, 0.3104, 0.3280



89.3275, 0.3147, 0.3290



89.3275, 0.3117, 0.3301

Square

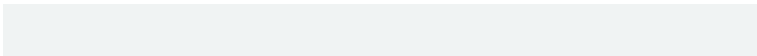
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



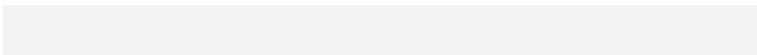
89.3275, 0.3147, 0.3290



89.3275, 0.3140, 0.3311



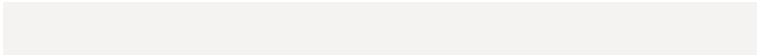
89.3275, 0.3108, 0.3290



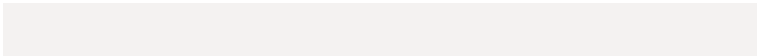
89.3275, 0.3114, 0.3269

Rectangle

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



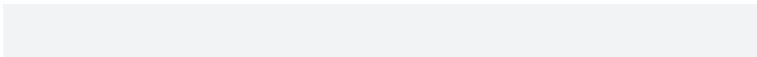
89.3275, 0.3147, 0.3290



89.3275, 0.3150, 0.3306



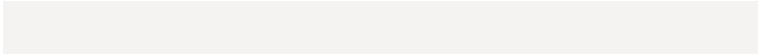
89.3275, 0.3108, 0.3290



89.3275, 0.3104, 0.3274

Sweetspot

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



89.3314, 0.3147, 0.3290

100.0000, 0.3127, 0.3290



89.5066, 0.3128, 0.3260



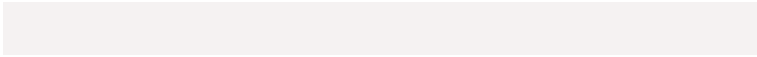
21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

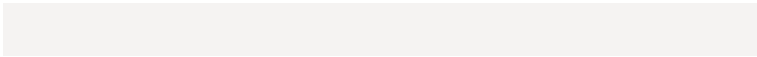
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3314, 0.3147, 0.3290



98.2208, 0.3143, 0.3290



90.2110, 0.3146, 0.3305



19.2692, 0.3142, 0.3290



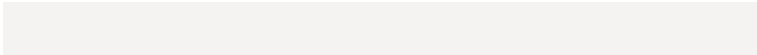
10.4583, 0.6400, 0.3299



0.9193, 0.6397, 0.3297

Inverse Universe

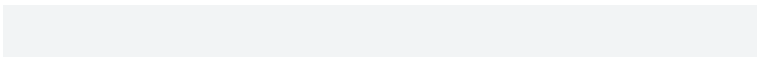
The Inverse Universe completely reimagines the original color for something new.



89.3314, 0.3147, 0.3290



98.2208, 0.3143, 0.3290



89.9131, 0.3108, 0.3275



19.2692, 0.3142, 0.3290



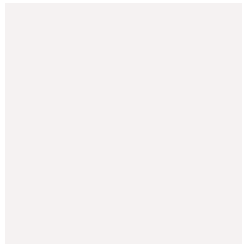
10.4583, 0.6400, 0.3299



0.9193, 0.6397, 0.3297

Previews

White Background



This preview shows how the Yxy color 89.3275, 0.3147, 0.3290 looks on a white background.

Color Contrast Check

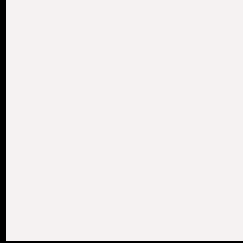
Large Text (above 18pt) WCAG AA × Fail

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 89.3275, 0.3147, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

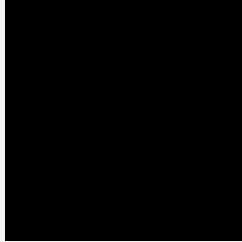
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

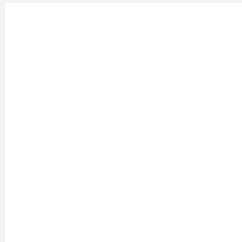
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3275, 0.3147, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 89.3275, 0.3147, 0.3290.

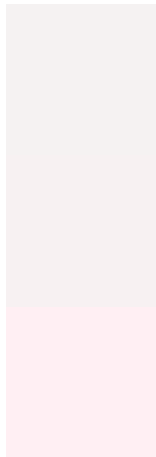


This preview shows how white text looks on a background with the Yxy color 89.3275, 0.3147, 0.3290.

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

89.3275, 0.3147, 0.3290

Protanopia

89.0956, 0.3160, 0.3280

Deuteranopia

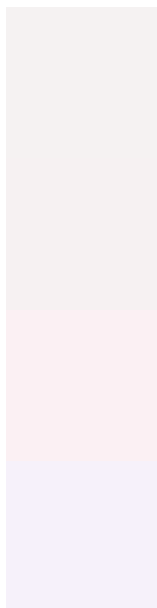
89.4641, 0.3208, 0.3251



Tritanopia

89.1330, 0.3076, 0.3143

Trichromacy



Original Color

89.3275, 0.3147, 0.3290

Protanomaly

88.9142, 0.3154, 0.3280

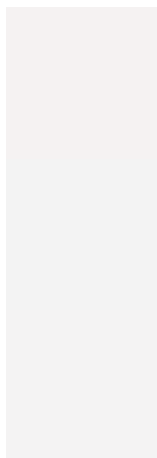
Deuteranomaly

89.3005, 0.3181, 0.3261

Tritanomaly

89.4056, 0.3105, 0.3202

Monochromacy



Original Color

89.3275, 0.3147, 0.3290

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.8053, 0.3134, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3275, 0.3147, 0.3290 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(245, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(245, 242, 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(245, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 242, 242) }
```

Border

The CSS property to change the border of an element to Yxy 89.3275, 0.3147, 0.3290 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(245, 242, 242) }
```

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

```
.border{ border-color:rgb(245, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(245, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(245, 242,  
242) }
```

Background

The CSS property to change the background color of an element to Yxy 89.3275, 0.3147, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 242, 242) }
```

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

```
.background{ background-color: rgb(245,  
242, 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