

Converting Colors

$Y_{xy}(89.5151, 0.3208, 0.3316)$

Have a look what the booklet for
Yxy(89.5151, 0.3208, 0.3316)
contains.

Yxy(89.5929, 0.3212, 0.3320)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.5929, 0.3212, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	FBF1EE
RGB	251, 241, 238
RGB Percent	98%, 95%, 93%
CMY	0.0155, 0.0549, 0.0668
CMYK	0.00, 0.04, 0.05, 0.02
HSL	14°, 62%, 96%
HSV	14°, 5%, 98%
XYZ	86.6784, 89.5929, 93.5868
YIQ	243.6480, 6.9230, 1.1870

Conversions

Conversions Part 2

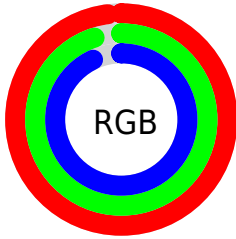
Format	Color
R _Y B	251, 242, 238
Decimal	16511470
CIE Lab	95.83, 2.86, 2.65
CIE LCh	96, 3.895, 42.830
Yxy	89.5929, 0.3212, 0.3320
Android (android.graphics.Color)	4294701550 (0xFFFBF1EE)
YUV	243.6480, -2.7845, 6.4477
Hunter-Lab	94.6535, -2.1833, 7.6357

Details

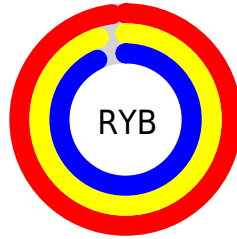
The Yxy color **89.5929, 0.3212, 0.3320** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.2816, 0.3046, 0.3260**, and the grayscale version is **90.1946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5447, 0.3227, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **77.4026, 0.3400, 0.3381**, and if you desaturate by 10%, it is **99.2571, 0.3103, 0.3290**.

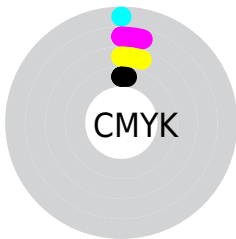
Distribution



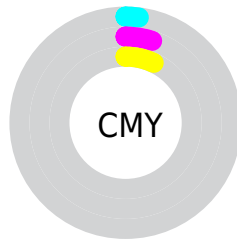
- Red (98%)
- Green (95%)
- Blue (93%)



- Red (98%)
- Yellow (95%)
- Blue (93%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5929, 0.3212, 0.3320 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 89.5929, 0.3212, 0.3320 by changing the saturation by 10% instead.

 89.5929, 0.3212,
0.3320

 89.5929, 0.3212,
0.3320


526.7057, 0.3174,
0.3307

 67.6430, 0.3220,
0.3323


146.7728, 0.3199,
0.3316

 49.6074, 0.3231,
0.3326


182.7716, 0.3194,
0.3314

 35.1015, 0.3243,
0.3331


224.2222, 0.3190,
0.3312

 23.7411, 0.3259,
0.3336

271.5090, 0.3186,
0.3311

 15.1417, 0.3281,
0.3343

325.0163, 0.3182,
0.3310

 8.9189, 0.3311,
0.3353

385.1286, 0.3179,

 4.6883, 0.3355,

0.3309

0.3367

452.2303, 0.3177,
0.3308

■ 2.0656, 0.3428,
0.3390

■ 0.6452, 0.3701,
0.3496

■ 89.5929, 0.3212,
0.3320

■ 89.5929, 0.3212,
0.3320

■ 77.4026, 0.3400,
0.3381

■ 99.2571, 0.3103,
0.3290

■ 66.5771, 0.3626,
0.3445

■ 57.0719, 0.3896,
0.3510

■ 48.8356, 0.4214,
0.3572

■ 41.8138, 0.4577,
0.3624

■ 35.9475, 0.4975,
0.3657

■ 31.1728, 0.5379,
0.3659

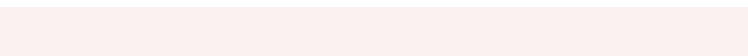
■ 27.4193, 0.5749,
0.3622

■ 24.6072, 0.6038,
0.3546

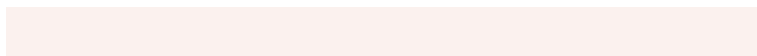
Harmonies

Analogous

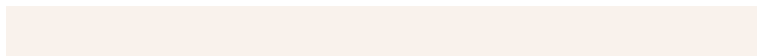
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5929, 0.3193, 0.3282



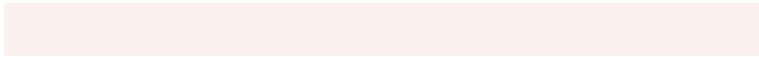
89.5929, 0.3212, 0.3320



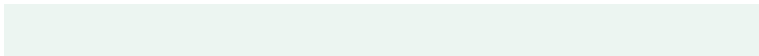
89.5929, 0.3208, 0.3351

Triad

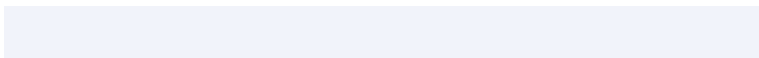
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5929, 0.3212, 0.3320



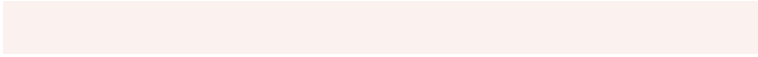
89.5929, 0.3097, 0.3335



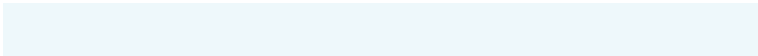
89.5929, 0.3073, 0.3215

Complementary

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



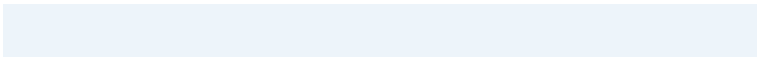
89.5929, 0.3212, 0.3320



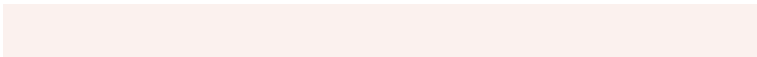
92.2816, 0.3046, 0.3260

Split Complementary

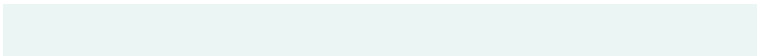
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5929, 0.3047, 0.3229



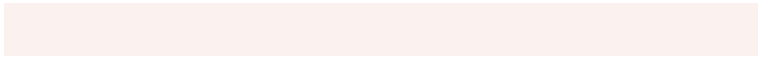
89.5929, 0.3212, 0.3320



89.5929, 0.3062, 0.3298

Square

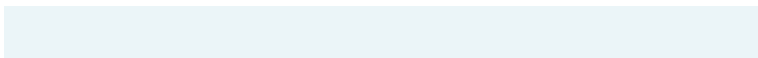
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



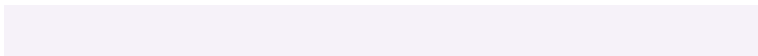
89.5929, 0.3212, 0.3320



89.5929, 0.3141, 0.3360



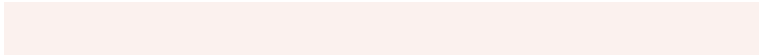
89.5929, 0.3043, 0.3259



89.5929, 0.3113, 0.3221

Rectangle

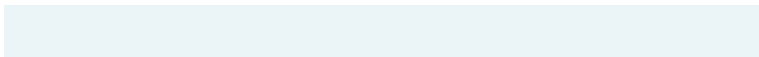
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5929, 0.3212, 0.3320



89.5929, 0.3193, 0.3363



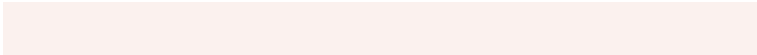
89.5929, 0.3043, 0.3259



89.5929, 0.3062, 0.3218

Sweetspot

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



89.5968, 0.3212, 0.3320



97.2013, 0.3159, 0.3301



88.4372, 0.3151, 0.3190



20.8345, 0.3157, 0.3301



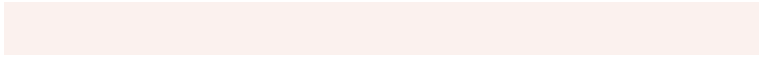
0.0000, 0.0000, 0.0000



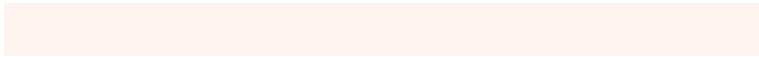
21.4041, 0.3127, 0.3290

Same Dimension

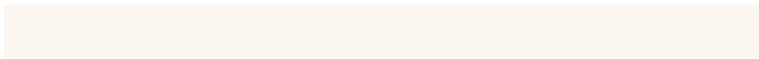
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5968, 0.3212, 0.3320



91.7816, 0.3226, 0.3325



93.4164, 0.3207, 0.3382



18.6331, 0.3237, 0.3329



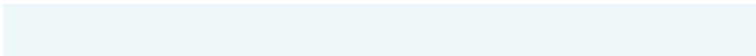
12.5614, 0.6118, 0.3525



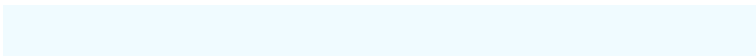
1.3174, 0.5893, 0.3703

Inverse Universe

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



92.2816, 0.3046, 0.3260



94.9716, 0.3034, 0.3255



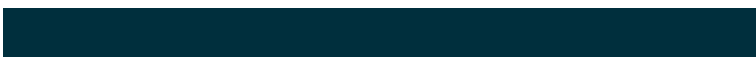
88.4480, 0.3047, 0.3197



19.3532, 0.3024, 0.3251



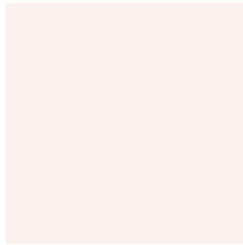
23.9042, 0.2034, 0.2523



2.3736, 0.2063, 0.2625

Previews

White Background



This preview shows how the Yxy color 89.5929, 0.3212, 0.3320 looks on a white background.

Color Contrast Check

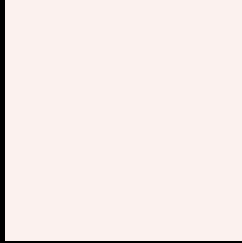
Large Text (above 18pt) WCAG AA × Fail

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 89.5929, 0.3212, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

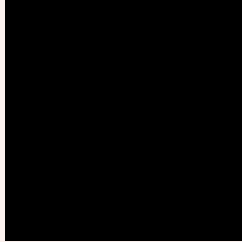
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

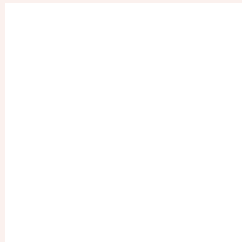
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5929, 0.3212, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 89.5929, 0.3212, 0.3320.

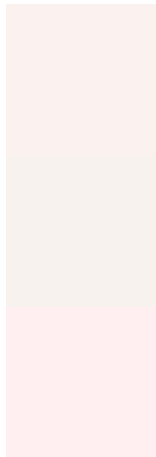


This preview shows how white text looks on a background with the Yxy color 89.5929, 0.3212, 0.3320.

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

89.5929, 0.3212, 0.3320

Protanopia

89.6338, 0.3191, 0.3330

Deuteranopia

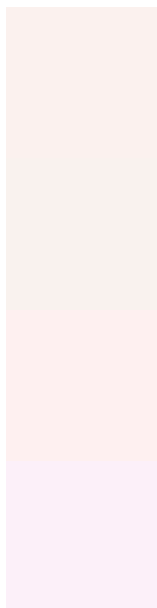
89.3439, 0.3221, 0.3271



Tritanopia

89.6485, 0.3115, 0.3135

Trichromacy



Original Color

89.5929, 0.3212, 0.3320

Protanomaly

89.8170, 0.3197, 0.3330

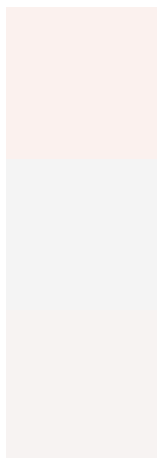
Deuteranomaly

89.6823, 0.3220, 0.3290

Tritanomaly

89.8552, 0.3151, 0.3203

Monochromacy



Original Color

89.5929, 0.3212, 0.3320

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

90.2861, 0.3159, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5929, 0.3212, 0.3320 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 $rgb(251, 241, 238)$ looks like.

```
.text, #text, p{  
    color:rgb(251, 241, 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(251, 241, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 241, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.5929, 0.3212, 0.3320 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(251, 241, 238) }
```

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

```
.border{ border-color:rgb(251, 241, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 241, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 241, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 241, 238);  
box-shadow:4px 4px 4px 4px rgb(251, 241,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5929, 0.3212, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 241, 238) }
```

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

```
.background{ background-color: rgb(251,  
241, 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](#).

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