

Converting Colors

$Y_{xy}(87.7559, 0.3231, 0.3350)$

Have a look what the booklet for
Yxy(87.7559, 0.3231, 0.3350)
contains.

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Color

Yxy(87.7559, 0.3231, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F9EFE9
RGB	249, 239, 233
RGB Percent	98%, 94%, 91%
CMY	0.0236, 0.0627, 0.0863
CMYK	0.00, 0.04, 0.06, 0.02
HSL	23°, 57%, 95%
HSV	23°, 6%, 98%
XYZ	84.6386, 87.7559, 89.5634
YIQ	241.3060, 7.8860, 0.2540

Conversions

Conversions Part 2

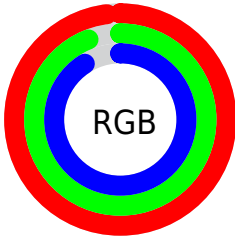
Format	Color
R_{YB}	249, 243, 233
Decimal	16379881
CIE Lab	95.06, 2.34, 4.09
CIE LCh	95, 4.709, 60.201
Yxy	87.7559, 0.3231, 0.3350
Android (android.graphics.Color)	4294569961 (0xFF99E9)
YUV	241.3060, -4.0949, 6.7476
Hunter-Lab	93.6781, -2.6612, 8.8889

Details

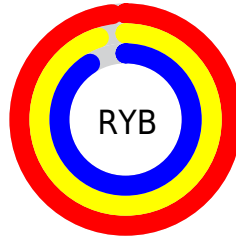
The Yxy color **87.7559, 0.3231, 0.3350** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.2510, 0.3028, 0.3229**, and the grayscale version is **88.2463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3788, 0.3261, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **77.7239, 0.3415, 0.3449**, and if you desaturate by 10%, it is **98.5909, 0.3090, 0.3286**.

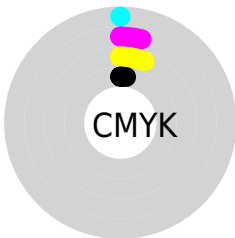
Distribution



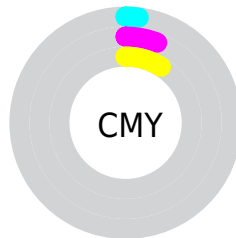
- Red (98%)
- Green (94%)
- Blue (91%)



- Red (98%)
- Yellow (95%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7559, 0.3231, 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 87.7559, 0.3231, 0.3350 by changing the saturation by 10% instead.

 87.7559, 0.3231,
0.3350

 87.7559, 0.3231,
0.3350


520.7035, 0.3184,
0.3323

 66.1209, 0.3241,
0.3356


144.2173, 0.3215,
0.3341

 48.3706, 0.3254,
0.3363


179.8125, 0.3209,
0.3337

 34.1204, 0.3270,
0.3372

220.8298, 0.3203,
0.3334

 22.9861, 0.3290,
0.3383

267.6538, 0.3199,
0.3332

 14.5833, 0.3317,
0.3398

320.6688, 0.3195,
0.3329

 8.5274, 0.3354,
0.3419

380.2591, 0.3191,

 4.4343, 0.3410,

0.3327

0.3449

446.8092, 0.3187,
0.3325

■ 1.9193, 0.3502,
0.3497

■ 0.5600, 0.4000,
0.3801

■ 87.7559, 0.3231,
0.3350

■ 87.7559, 0.3231,
0.3350

■ 77.7239, 0.3415,
0.3449

■ 98.5909, 0.3090,
0.3286

■ 68.6432, 0.3631,
0.3552

■ 98.8786, 0.3090,
0.3290

■ 60.4883, 0.3880,
0.3656

■ 53.2283, 0.4164,
0.3755

■ 46.8305, 0.4478,
0.3841

■ 41.2598, 0.4813,
0.3902

■ 36.4783, 0.5149,
0.3924

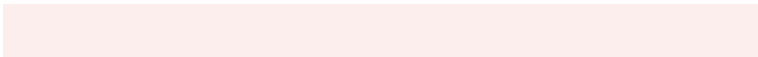
■ 32.4443, 0.5459,
0.3897

■ 29.1107, 0.5715,
0.3816

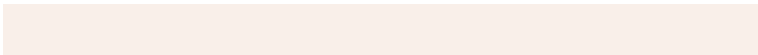
Harmonies

Analogous

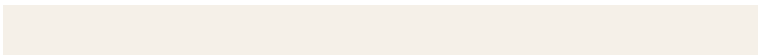
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7559, 0.3224, 0.3307



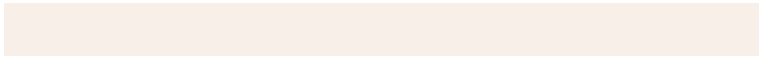
87.7559, 0.3231, 0.3350



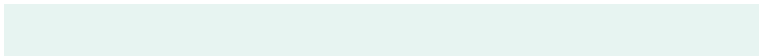
87.7559, 0.3210, 0.3377

Triad

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



87.7559, 0.3231, 0.3350



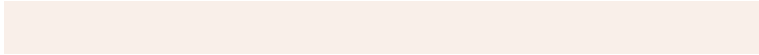
87.7559, 0.3064, 0.3320



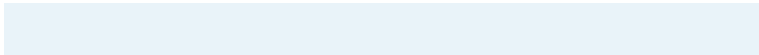
87.7559, 0.3087, 0.3201

Complementary

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



87.7559, 0.3231, 0.3350



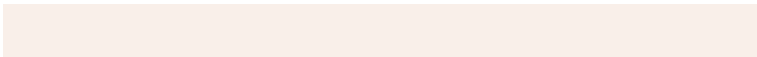
88.2510, 0.3028, 0.3229

Split Complementary

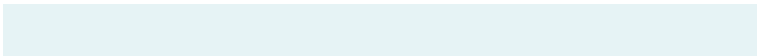
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7559, 0.3045, 0.3203



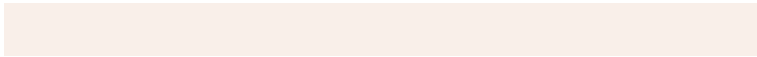
87.7559, 0.3231, 0.3350



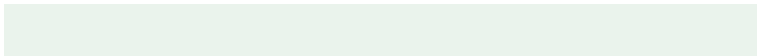
87.7559, 0.3031, 0.3272

Square

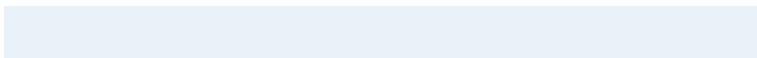
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



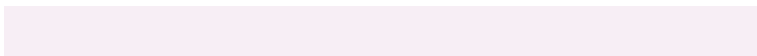
87.7559, 0.3231, 0.3350



87.7559, 0.3113, 0.3361



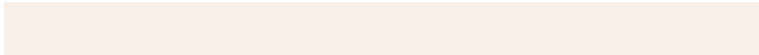
87.7559, 0.3025, 0.3229



87.7559, 0.3141, 0.3221

Rectangle

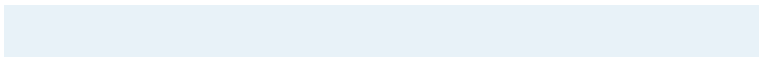
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7559, 0.3231, 0.3350



87.7559, 0.3183, 0.3383



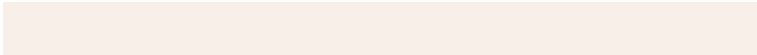
87.7559, 0.3025, 0.3229



87.7559, 0.3071, 0.3199

Sweetspot

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



87.7597, 0.3231, 0.3350



97.6618, 0.3158, 0.3308



84.8923, 0.3171, 0.3190



20.9282, 0.3157, 0.3308



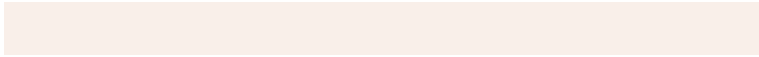
0.0000, 0.0000, 0.0000



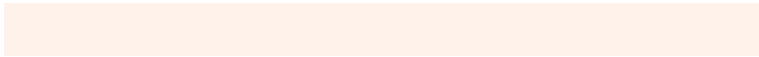
21.4041, 0.3127, 0.3290

Same Dimension

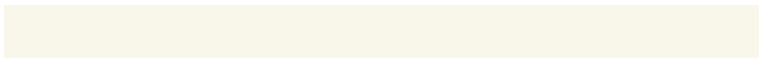
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7597, 0.3231, 0.3350



90.8993, 0.3258, 0.3365



92.4577, 0.3224, 0.3427



18.2942, 0.3285, 0.3380



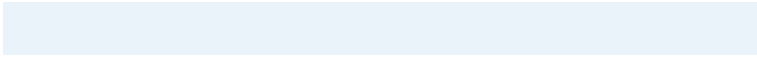
15.2785, 0.5766, 0.3804



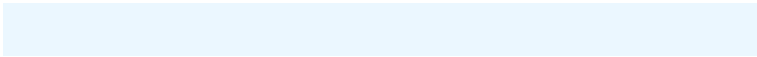
1.6115, 0.5542, 0.3981

Inverse Universe

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



88.2510, 0.3028, 0.3229



91.5386, 0.3003, 0.3214



83.6520, 0.3029, 0.3149



18.4480, 0.2980, 0.3199



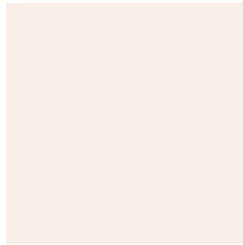
16.5631, 0.1891, 0.2007



1.7378, 0.1938, 0.2177

Previews

White Background



This preview shows how the Yxy color 87.7559, 0.3231, 0.3350 looks on a white background.

Color Contrast Check

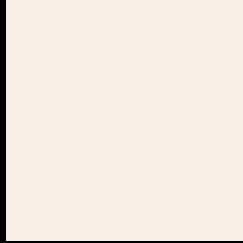
Large Text (above 18pt) WCAG AA × Fail

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 87.7559, 0.3231, 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

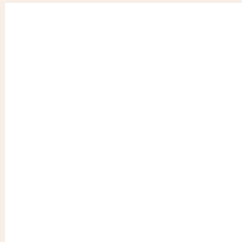
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7559, 0.3231, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 87.7559, 0.3231, 0.3350.

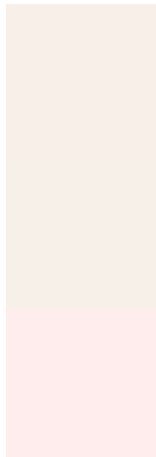


This preview shows how white text looks on a background with the Yxy color 87.7559, 0.3231, 0.3350.

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

87.7559, 0.3231, 0.3350

Protanopia

87.9775, 0.3217, 0.3360

Deuteranopia

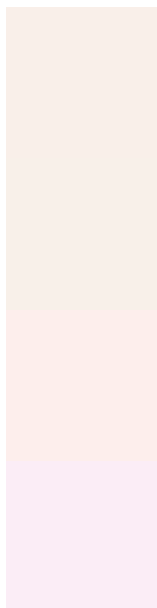
87.9428, 0.3248, 0.3290



Tritanopia

87.8421, 0.3122, 0.3115

Trichromacy



Original Color

87.7559, 0.3231, 0.3350

Protanomaly

88.1598, 0.3223, 0.3360

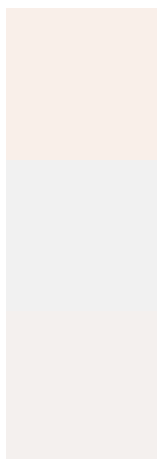
Deuteranomaly

88.0878, 0.3240, 0.3310

Tritanomaly

87.7314, 0.3164, 0.3202

Monochromacy



Original Color

87.7559, 0.3231, 0.3350

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.7263, 0.3166, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7559, 0.3231, 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(249, 239, 233)` looks like.

```
.text, #text, p{  
    color:rgb(249, 239, 233)  
}
```

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(249, 239, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 239, 233) }
```

Border

The CSS property to change the border of an element to Yxy 87.7559, 0.3231, 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(249, 239, 233) }
```

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

```
.border{ border-color:rgb(249, 239, 233) }
```

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

Here you see how a box with a 4 pixel rgb(249, 239, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 239, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 239, 233);  
box-shadow:4px 4px 4px 4px rgb(249, 239,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7559, 0.3231, 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(249, 239, 233) }
```

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

```
.background{ background-color: rgb(249,  
239, 233) }
```

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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