

Converting Colors

$Y_{xy}(87.8535, 0.3204, 0.3350)$

Have a look what the booklet for
Yxy(87.8535, 0.3204, 0.3350)
contains.

Yxy(87.8535, 0.3204, 0.3350)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8535, 0.3204, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	F6F0EA
RGB	246, 240, 234
RGB Percent	96%, 94%, 92%
CMY	0.0352, 0.0588, 0.0823
CMYK	0.00, 0.02, 0.05, 0.04
HSL	30°, 40%, 94%
HSV	30°, 5%, 96%
XYZ	84.0247, 87.8535, 90.3711
YIQ	241.1100, 5.5020, -0.5940

Conversions

Conversions Part 2

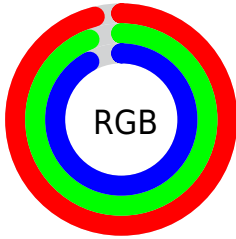
Format	Color
R _Y B	246, 246, 234
Decimal	16183530
CIE Lab	95.10, 1.00, 3.60
CIE LCh	95, 3.731, 74.505
Yxy	87.8535, 0.3204, 0.3350
Android (android.graphics.Color)	4294373610 (0xFF6F0EA)
YUV	241.1100, -3.5052, 4.2885
Hunter-Lab	93.7302, -4.0111, 8.4460

Details

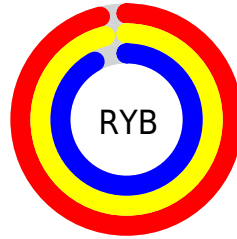
The Yxy color **87.8535, 0.3204, 0.3350** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.4885, 0.3052, 0.3229**, and the grayscale version is **88.0843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4425, 0.3226, 0.3367** is the 20% darker color. If you saturate the color by 10%, you get **79.5204, 0.3378, 0.3479**, and if you desaturate by 10%, it is **96.6502, 0.3073, 0.3264**.

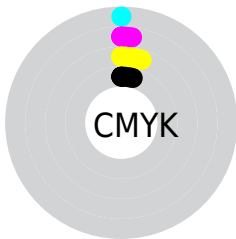
Distribution



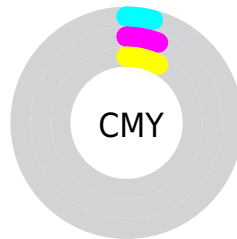
- Red (96%)
- Green (94%)
- Blue (92%)



- Red (96%)
- Yellow (96%)
- Blue (92%)



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



- Cyan (4%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8535, 0.3204, 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 87.8535, 0.3204, 0.3350 by changing the saturation by 10% instead.

87.8535, 0.3204,
0.3350

87.8535, 0.3204,
0.3350

521.0234, 0.3170,
0.3323

66.2017, 0.3212,
0.3356

144.3532, 0.3192,
0.3341

48.4362, 0.3221,
0.3363

179.9699, 0.3188,
0.3337

34.1724, 0.3232,
0.3372

221.0104, 0.3184,
0.3334

23.0261, 0.3247,
0.3383

267.8591, 0.3180,
0.3331

14.6128, 0.3267,
0.3399

320.9003, 0.3177,
0.3329

8.5481, 0.3295,
0.3420

380.5185, 0.3174,

4.4476, 0.3335,

0.3327

0.3451

447.0981, 0.3172,
0.3325

■ 1.9270, 0.3403,
0.3501

■ 0.5645, 0.3768,
0.3792

■ 87.8535, 0.3204,
0.3350

■ 87.8535, 0.3204,
0.3350

■ 79.5204, 0.3378,
0.3479

■ 96.6502, 0.3073,
0.3264

■ 71.8561, 0.3576,
0.3613

■ 98.3381, 0.3072,
0.3290

■ 64.8457, 0.3800,
0.3749

■ 58.4696, 0.4048,
0.3881

■ 52.7070, 0.4315,
0.3999

■ 47.5356, 0.4593,
0.4093

■ 42.9312, 0.4869,
0.4149

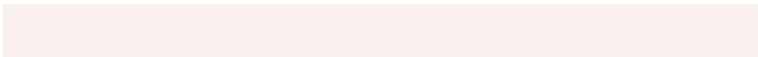
■ 38.8671, 0.5124,
0.4156

■ 35.3127, 0.5340,
0.4106

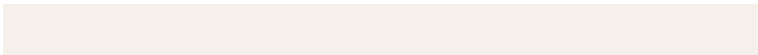
Harmonies

Analogous

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



87.8535, 0.3209, 0.3321



87.8535, 0.3204, 0.3350



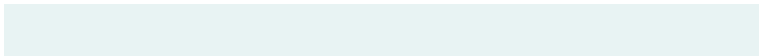
87.8535, 0.3178, 0.3363

Triad

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



87.8535, 0.3204, 0.3350



87.8535, 0.3062, 0.3296



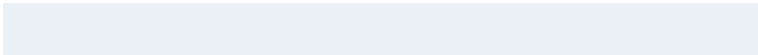
87.8535, 0.3116, 0.3225

Complementary

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



87.8535, 0.3204, 0.3350



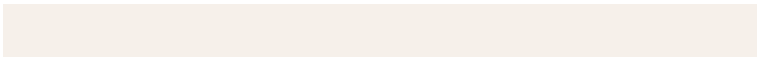
86.4885, 0.3052, 0.3229

Split Complementary

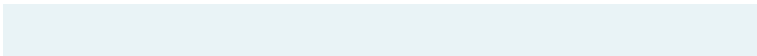
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8535, 0.3076, 0.3218



87.8535, 0.3204, 0.3350



87.8535, 0.3046, 0.3259

Square

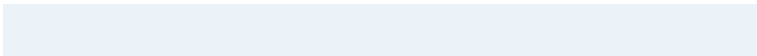
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



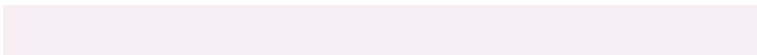
87.8535, 0.3204, 0.3350



87.8535, 0.3096, 0.3332



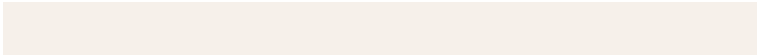
87.8535, 0.3051, 0.3230



87.8535, 0.3158, 0.3249

Rectangle

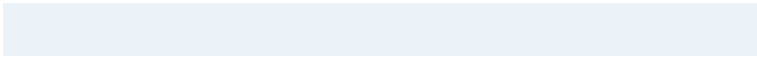
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8535, 0.3204, 0.3350



87.8535, 0.3153, 0.3361



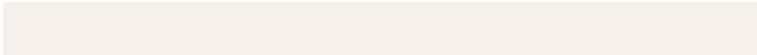
87.8535, 0.3051, 0.3230



87.8535, 0.3102, 0.3220

Sweetspot

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



87.8573, 0.3204, 0.3350



99.0236, 0.3142, 0.3302



84.7491, 0.3169, 0.3228



21.2054, 0.3142, 0.3302



0.0000, 0.0000, 0.0000



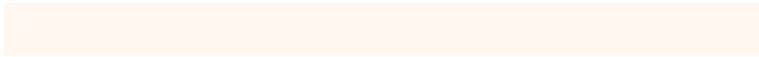
21.4041, 0.3127, 0.3290

Same Dimension

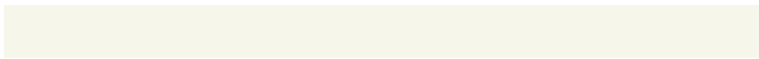
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8573, 0.3204, 0.3350



94.2550, 0.3222, 0.3364



91.3460, 0.3200, 0.3408



18.3591, 0.3233, 0.3372



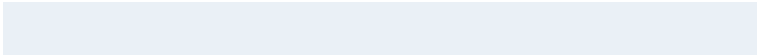
18.2501, 0.5412, 0.4085



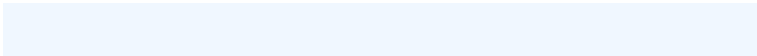
1.8095, 0.5219, 0.4238

Inverse Universe

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



86.4885, 0.3052, 0.3229



92.4429, 0.3035, 0.3215



83.1095, 0.3053, 0.3170



17.9685, 0.3025, 0.3207



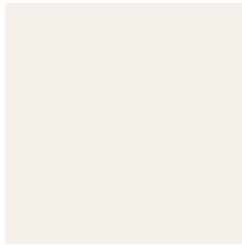
11.4433, 0.1773, 0.1582



1.2113, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 87.8535, 0.3204, 0.3350 looks on a white background.

Color Contrast Check

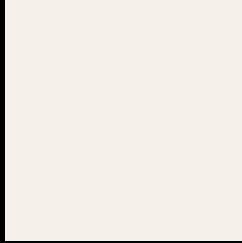
Large Text (above 18pt) WCAG AA × Fail

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 87.8535, 0.3204, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

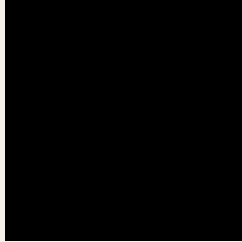
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

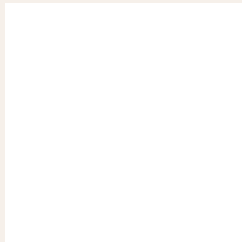
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8535, 0.3204, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 87.8535, 0.3204, 0.3350.

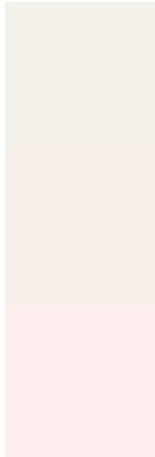


This preview shows how white text looks on a background with the Yxy color 87.8535, 0.3204, 0.3350.

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

87.8535, 0.3204, 0.3350

Protanopia

88.0348, 0.3210, 0.3350

Deuteranopia

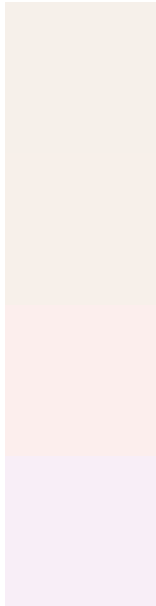
88.0014, 0.3242, 0.3281



Tritanopia

87.9281, 0.3096, 0.3115

Trichromacy



Original Color

87.8535, 0.3204, 0.3350

Protanomaly

88.0348, 0.3210, 0.3350

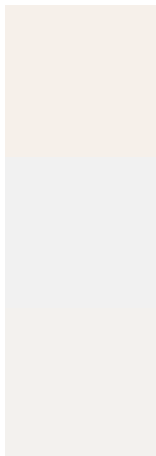
Deuteranomaly

87.9589, 0.3227, 0.3300

Tritanomaly

87.8209, 0.3138, 0.3202

Monochromacy



Original Color

87.8535, 0.3204, 0.3350

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.1383, 0.3159, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8535, 0.3204, 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(246, 240, 234)` looks like.

```
.text, #text, p{  
    color:rgb(246, 240, 234)  
}
```

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(246, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 240, 234) }
```

Border

The CSS property to change the border of an element to Yxy 87.8535, 0.3204, 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(246, 240, 234) }
```

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

```
.border{ border-color:rgb(246, 240, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 240, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(246, 240,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8535, 0.3204, 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(246, 240, 234) }
```

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

```
.background{ background-color: rgb(246,  
240, 234) }
```

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