

Converting Colors

$Y_{xy}(87.1598, 0.3151, 0.3307)$

Have a look what the booklet for
Yxy(87.1598, 0.3151, 0.3307)
contains.

Yxy(87.3705, 0.3153, 0.3310)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.3705, 0.3153, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F2F0EE
RGB	242, 240, 238
RGB Percent	95%, 94%, 93%
CMY	0.0507, 0.0589, 0.0667
CMYK	0.00, 0.01, 0.02, 0.05
HSL	29°, 14%, 94%
HSV	29°, 2%, 95%
XYZ	83.2263, 87.3705, 93.3624
YIQ	240.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

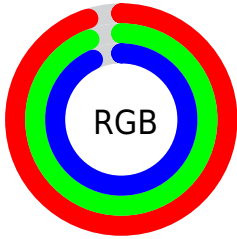
Format	Color
R _Y B	242, 242, 238
Decimal	15921390
CIE Lab	94.90, 0.35, 1.19
CIE LCh	95, 1.243, 73.582
Yxy	87.3705, 0.3153, 0.3310
Android (android.graphics.Color)	4294111470 (0xFF F2F0EE)
YUV	240.3700, -1.1684, 1.4295
Hunter-Lab	93.4722, -4.6424, 6.2102

Details

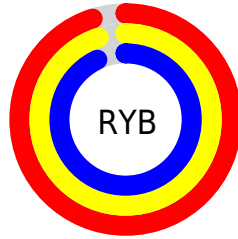
The Yxy color **87.3705, 0.3153, 0.3310** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.9553, 0.3102, 0.3270**, and the grayscale version is **87.4595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0975, 0.3160, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **79.0132, 0.3320, 0.3434**, and if you desaturate by 10%, it is **95.9500, 0.3048, 0.3264**.

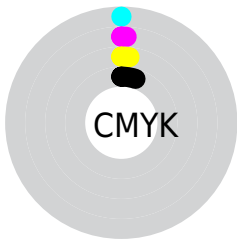
Distribution



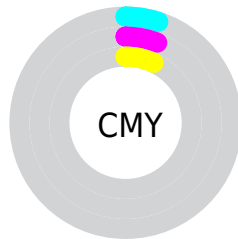
- Red (95%)
- Green (94%)
- Blue (93%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3705, 0.3153, 0.3310 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 87.3705, 0.3153, 0.3310 by changing the saturation by 10% instead.

87.3705, 0.3153,
0.3310

87.3705, 0.3153,
0.3310

519.4395, 0.3141,
0.3301

65.8019, 0.3156,
0.3312

143.6804, 0.3149,
0.3307

48.1116, 0.3159,
0.3314

179.1905, 0.3148,
0.3306

33.9153, 0.3163,
0.3317

220.1166, 0.3146,
0.3305

22.8285, 0.3168,
0.3321

266.8429, 0.3145,
0.3304

14.4669, 0.3174,
0.3326

319.7540, 0.3144,
0.3303

8.4461, 0.3183,
0.3333

379.2342, 0.3143,

4.3817, 0.3197,

0.3302

0.3344

445.6679, 0.3142,
0.3302

■ 1.8893, 0.3220,
0.3361

■ 0.5419, 0.3331,
0.3447

■ 87.3705, 0.3153,
0.3310

■ 87.3705, 0.3153,
0.3310

■ 79.0132, 0.3320,
0.3434

■ 95.9500, 0.3048,
0.3264

■ 71.3220, 0.3511,
0.3564

■ 97.6288, 0.3048,
0.3290

■ 64.2824, 0.3727,
0.3698

■ 57.8755, 0.3969,
0.3829

■ 52.0810, 0.4233,
0.3951

■ 46.8772, 0.4513,
0.4052

■ 42.2409, 0.4795,
0.4120

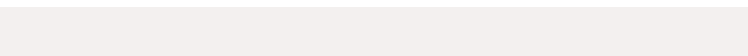
■ 38.1467, 0.5063,
0.4142

■ 34.5659, 0.5299,
0.4108

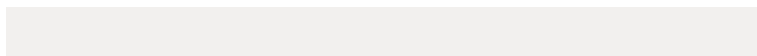
Harmonies

Analogous

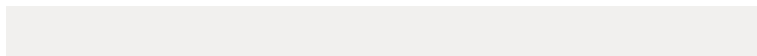
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3705, 0.3155, 0.3300



87.3705, 0.3153, 0.3310



87.3705, 0.3145, 0.3315

Triad

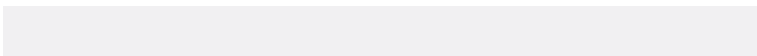
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3705, 0.3153, 0.3310



87.3705, 0.3106, 0.3293



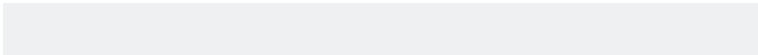
87.3705, 0.3123, 0.3268

Complementary

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



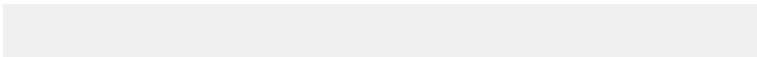
87.3705, 0.3153, 0.3310



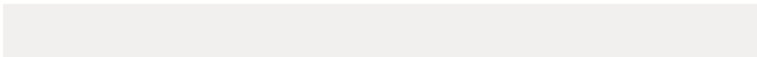
86.9553, 0.3102, 0.3270

Split Complementary

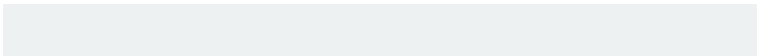
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3705, 0.3110, 0.3266



87.3705, 0.3153, 0.3310



87.3705, 0.3100, 0.3280

Square

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



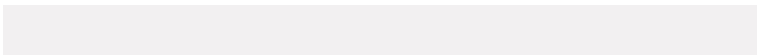
87.3705, 0.3153, 0.3310



87.3705, 0.3117, 0.3304



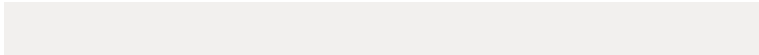
87.3705, 0.3102, 0.3270



87.3705, 0.3137, 0.3276

Rectangle

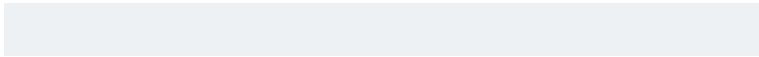
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



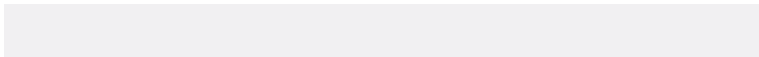
87.3705, 0.3153, 0.3310



87.3705, 0.3136, 0.3314



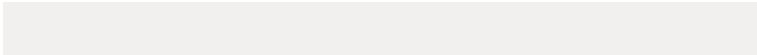
87.3705, 0.3102, 0.3270



87.3705, 0.3118, 0.3267

Sweetspot

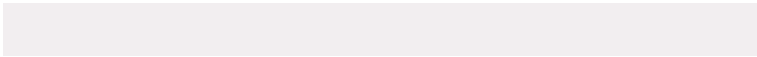
The Sweet Spot groups the original color and five complimentary colors.



87.3743, 0.3153, 0.3310



99.0087, 0.3142, 0.3302



86.3328, 0.3141, 0.3269



21.2024, 0.3142, 0.3301



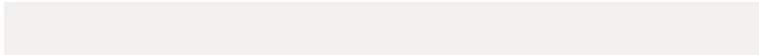
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



87.3743, 0.3153, 0.3310



98.0251, 0.3158, 0.3314



88.5646, 0.3152, 0.3330



18.3821, 0.3156, 0.3313



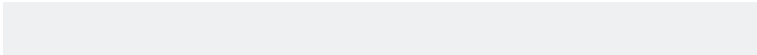
17.4242, 0.5438, 0.4064



1.6482, 0.5231, 0.4229

Inverse Universe

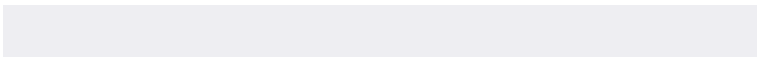
The Inverse Universe completely reimagines the original color for something new.



86.9553, 0.3102, 0.3270



97.4638, 0.3097, 0.3266



85.7776, 0.3102, 0.3250



18.2827, 0.3098, 0.3267



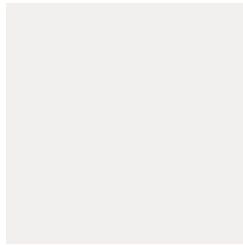
11.4090, 0.1782, 0.1614



1.1483, 0.1847, 0.1849

Previews

White Background



This preview shows how the Yxy color 87.3705, 0.3153, 0.3310 looks on a white background.

Color Contrast Check

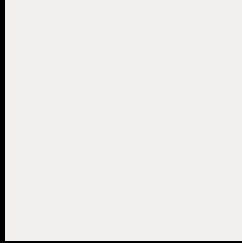
Large Text (above 18pt) WCAG AA × Fail

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 87.3705, 0.3153, 0.3310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

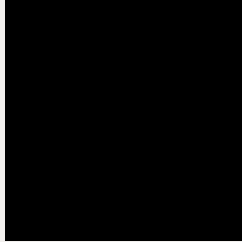
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

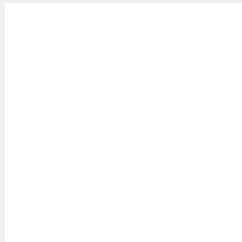
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3705, 0.3153, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 87.3705, 0.3153, 0.3310.

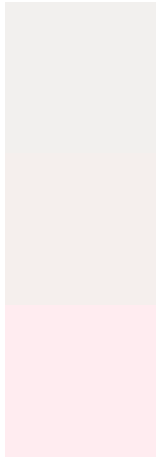


This preview shows how white text looks on a background with the Yxy color 87.3705, 0.3153, 0.3310.

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

87.3705, 0.3153, 0.3310

Protanopia

87.2599, 0.3179, 0.3310

Deuteranopia

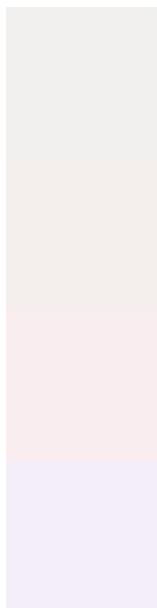
87.5422, 0.3230, 0.3251



Tritanopia

87.2009, 0.3070, 0.3113

Trichromacy



Original Color

87.3705, 0.3153, 0.3310

Protanomaly

87.0805, 0.3173, 0.3310

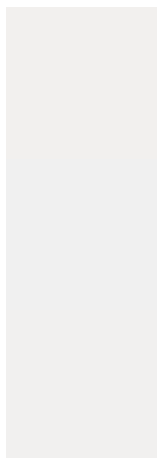
Deuteranomaly

87.1244, 0.3202, 0.3270

Tritanomaly

87.2217, 0.3099, 0.3181

Monochromacy



Original Color

87.3705, 0.3153, 0.3310

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.2529, 0.3140, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3705, 0.3153, 0.3310 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(242, 240, 238) looks like.

```
.text, #text, p{  
    color:rgb(242, 240, 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(242, 240, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 240, 238) }
```

Border

The CSS property to change the border of an element to Yxy 87.3705, 0.3153, 0.3310 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(242, 240, 238) }
```

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

```
.border{ border-color:rgb(242, 240, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 240, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 240, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 240, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 240,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3705, 0.3153, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 240, 238) }
```

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

```
.background{ background-color: rgb(242,  
240, 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