

Converting Colors

Yxy(87.4989, 0.3077, 0.3246)

Have a look what the booklet for
Yxy(87.4989, 0.3077, 0.3246)
contains.

Yxy(87.5077, 0.3077, 0.3250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.5077, 0.3077, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	EDF1F5
RGB	237, 241, 245
RGB Percent	93%, 95%, 96%
CMY	0.0707, 0.0548, 0.0393
CMYK	0.03, 0.02, 0.00, 0.04
HSL	210°, 29%, 94%
HSV	210°, 3%, 96%
XYZ	82.8496, 87.5077, 98.8972
YIQ	240.2600, -3.6680, 0.3960

Conversions

Conversions Part 2

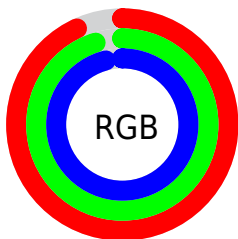
Format	Color
R _Y B	237, 240, 245
Decimal	15593973
CIE Lab	94.95, -0.62, -2.39
CIE LCh	95, 2.470, 255.424
Yxy	87.5077, 0.3077, 0.3250
Android (android.graphics.Color)	4293784053 (0xFFEDF1F5)
YUV	240.2600, 2.3368, -2.8590
Hunter-Lab	93.5456, -5.6143, 2.8000

Details

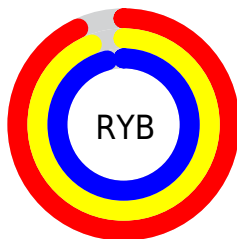
The Yxy color **87.5077, 0.3077, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.3892, 0.3178, 0.3330**, and the grayscale version is **87.3327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1958, 0.3063, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **76.6471, 0.2919, 0.3118**, and if you desaturate by 10%, it is **98.1826, 0.3186, 0.3368**.

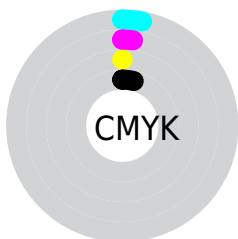
Distribution



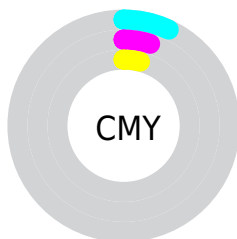
- Red (93%)
- Green (95%)
- Blue (96%)



- Red (93%)
- Yellow (94%)
- Blue (96%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5077, 0.3077, 0.3250 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 87.5077, 0.3077, 0.3250 by changing the saturation by 10% instead.

87.5077, 0.3077,
0.3250

87.5077, 0.3077,
0.3250

519.8897, 0.3099,
0.3268

65.9154, 0.3072,
0.3246

143.8716, 0.3085,
0.3256

48.2038, 0.3066,
0.3241

179.4120, 0.3088,
0.3259

33.9883, 0.3058,
0.3235

220.3705, 0.3090,
0.3261

22.8846, 0.3049,
0.3227

267.1317, 0.3093,
0.3263

14.5083, 0.3036,
0.3217

320.0798, 0.3095,
0.3264

8.4750, 0.3018,
0.3202

379.5992, 0.3096,

4.4004, 0.2992,

0.3266

0.3181

446.0744, 0.3098,
0.3267

■ 1.9000, 0.2948,
0.3146

■ 0.5484, 0.2783,
0.3015

■ 87.5077, 0.3077,
0.3250

■ 87.5077, 0.3077,
0.3250

■ 76.6471, 0.2919,
0.3118

■ 98.1826, 0.3186,
0.3368

■ 66.8029, 0.2757,
0.2972

■ 99.3717, 0.3185,
0.3386

■ 57.9445, 0.2592,
0.2811

■ 50.0356, 0.2430,
0.2637

■ 43.0371, 0.2273,
0.2452

■ 36.9066, 0.2128,
0.2260

■ 31.5972, 0.2000,
0.2064

■ 27.0563, 0.1894,
0.1871

■ 23.2216, 0.1812,
0.1686

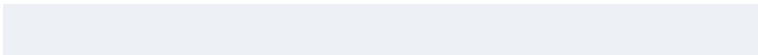
Harmonies

Analogous

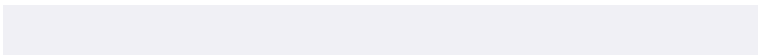
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5077, 0.3073, 0.3269



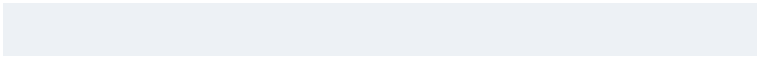
87.5077, 0.3077, 0.3250



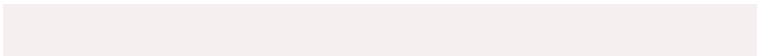
87.5077, 0.3094, 0.3242

Triad

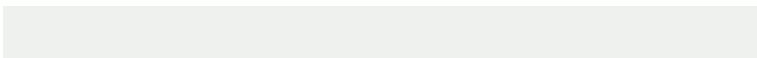
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5077, 0.3077, 0.3250



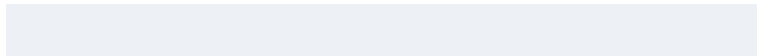
87.5077, 0.3171, 0.3287



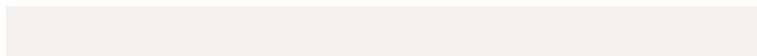
87.5077, 0.3134, 0.3334

Complementary

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



87.5077, 0.3077, 0.3250



88.3892, 0.3178, 0.3330

Split Complementary

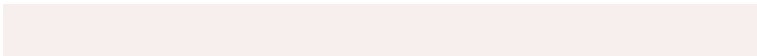
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5077, 0.3160, 0.3339



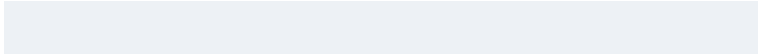
87.5077, 0.3077, 0.3250



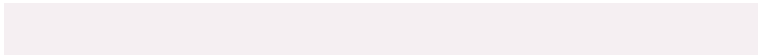
87.5077, 0.3182, 0.3311

Square

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



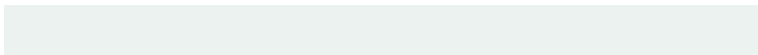
87.5077, 0.3077, 0.3250



87.5077, 0.3149, 0.3263



87.5077, 0.3178, 0.3330



87.5077, 0.3106, 0.3317

Rectangle

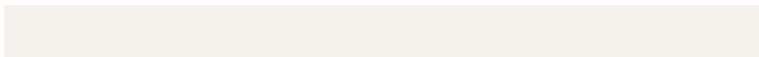
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5077, 0.3077, 0.3250



87.5077, 0.3111, 0.3244



87.5077, 0.3178, 0.3330



87.5077, 0.3143, 0.3337

Sweetspot

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



87.5114, 0.3077, 0.3250



98.7181, 0.3112, 0.3278



89.6350, 0.3100, 0.3332



21.1433, 0.3113, 0.3279



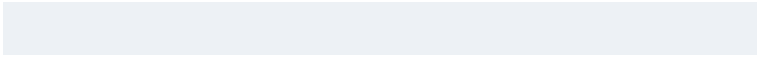
0.0000, 0.0000, 0.0000



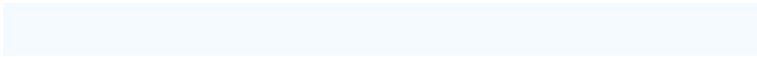
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5114, 0.3077, 0.3250



94.9422, 0.3066, 0.3241



85.2125, 0.3078, 0.3210



18.4305, 0.3054, 0.3232



11.5835, 0.1777, 0.1596



1.2237, 0.1839, 0.1821

Inverse Universe

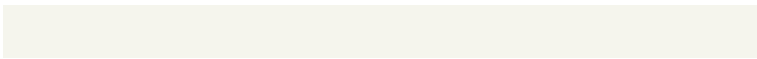
The Inverse Universe completely reimagines the original color for something new.



86.3074, 0.3155, 0.3250



93.3434, 0.3162, 0.3241



90.7370, 0.3175, 0.3368



18.0632, 0.3169, 0.3231



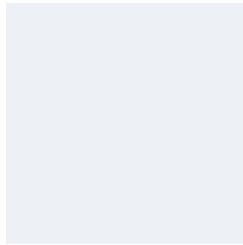
11.2687, 0.4936, 0.2493



1.0112, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 87.5077, 0.3077, 0.3250 looks on a white background.

Color Contrast Check

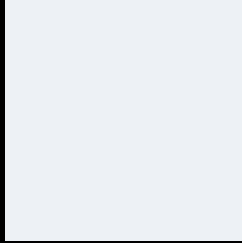
Large Text (above 18pt) WCAG AA × Fail

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 87.5077, 0.3077, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

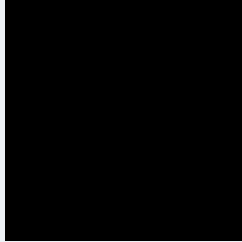
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

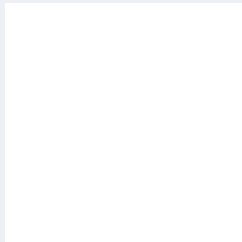
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5077, 0.3077, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 87.5077, 0.3077, 0.3250.

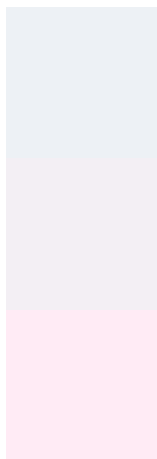


This preview shows how white text looks on a background with the Yxy color 87.5077, 0.3077, 0.3250.

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

87.5077, 0.3077, 0.3250

Protanopia

87.3193, 0.3123, 0.3240

Deuteranopia

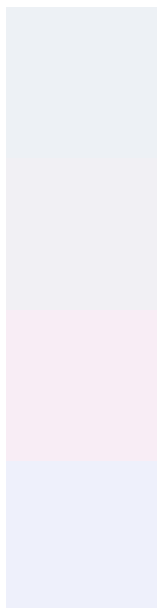
87.2692, 0.3199, 0.3193



Tritanopia

87.3037, 0.3031, 0.3131

Trichromacy



Original Color

87.5077, 0.3077, 0.3250

Protanomaly

87.5526, 0.3109, 0.3250

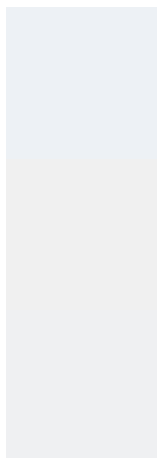
Deuteranomaly

87.1174, 0.3151, 0.3211

Tritanomaly

87.4624, 0.3048, 0.3180

Monochromacy



Original Color

87.5077, 0.3077, 0.3250

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.0817, 0.3108, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5077, 0.3077, 0.3250 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(237, 241, 245)` looks like.

```
.text, #text, p{  
    color:rgb(237, 241, 245)  
}
```

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(237, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 241, 245) }
```

Border

The CSS property to change the border of an element to Yxy 87.5077, 0.3077, 0.3250 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(237, 241, 245) }
```

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

```
.border{ border-color:rgb(237, 241, 245) }
```

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

Here you see how a box with a 4 pixel rgb(237, 241, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 241, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 241, 245);  
box-shadow:4px 4px 4px 4px rgb(237, 241,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5077, 0.3077, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 241, 245) }
```

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

```
.background{ background-color: rgb(237,  
241, 245) }
```

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