

Converting Colors

Yxy(87.4294, 0.3035, 0.3132)

Have a look what the booklet for
Yxy(87.4294, 0.3035, 0.3132)
contains.

Yxy(87.4783, 0.3037, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.4783, 0.3037, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	F0EFFF
RGB	240, 239, 255
RGB Percent	94%, 94%, 100%
CMY	0.0589, 0.0627, 0.0000
CMYK	0.06, 0.06, 0.00, 0.00
HSL	244°, 100%, 97%
HSV	244°, 6%, 100%
XYZ	84.8520, 87.4783, 107.0638
YIQ	241.1230, -4.5400, 5.1880

Conversions

Conversions Part 2

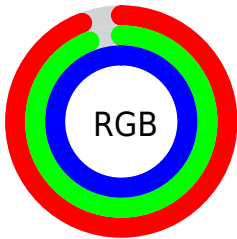
Format	Color
R _Y B	240, 239, 255
Decimal	15790079
CIE Lab	94.94, 3.25, -7.60
CIE LCh	95, 8.268, 293.142
Yxy	87.4783, 0.3037, 0.3131
Android (android.graphics.Color)	4293980159 (0xFFFF0EFFF)
YUV	241.1230, 6.8414, -0.9849
Hunter-Lab	93.5298, -1.7387, -2.3985

Details

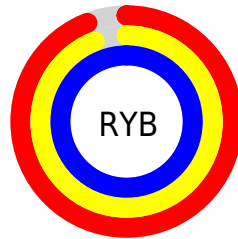
The Yxy color **87.4783, 0.3037, 0.3131** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.8290, 0.3214, 0.3444**, and the grayscale version is **88.0098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1345, 0.3020, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **69.6666, 0.2877, 0.2852**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

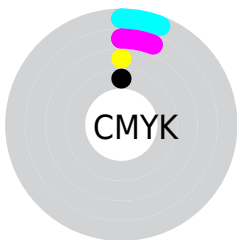
Distribution



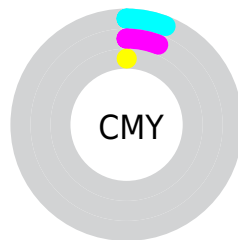
- Red (94%)
- Green (94%)
- Blue (100%)



- Red (94%)
- Yellow (94%)
- Blue (100%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4783, 0.3037, 0.3131 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 87.4783, 0.3037, 0.3131 by changing the saturation by 10% instead.

87.4783, 0.3037,
0.3131

87.4783, 0.3037,
0.3131

519.7933, 0.3078,
0.3202

65.8911, 0.3028,
0.3115

143.8306, 0.3051,
0.3155

48.1840, 0.3017,
0.3097

179.3645, 0.3056,
0.3164

33.9726, 0.3003,
0.3073

220.3161, 0.3061,
0.3173

22.8726, 0.2986,
0.3043

267.0698, 0.3065,
0.3180

14.4994, 0.2963,
0.3004

320.0100, 0.3069,
0.3186

8.4688, 0.2930,
0.2950

379.5210, 0.3072,

4.3964, 0.2882,

0.3192

0.2870

445.9873, 0.3075,
0.3197

■ 1.8977, 0.2802,
0.2743

■ 0.5470, 0.2625,
0.2396

■ 87.4783, 0.3037,
0.3131

■ 87.4783, 0.3037,
0.3131

■ 69.6666, 0.2877,
0.2852

100.0000, 0.3127,
0.3290

■ 54.4050, 0.2697,
0.2539

■ 41.5772, 0.2500,
0.2200

■ 31.0572, 0.2291,
0.1847

■ 22.7077, 0.2082,
0.1498

■ 16.3772, 0.1887,
0.1178

■ 11.8943, 0.1722,
0.0915

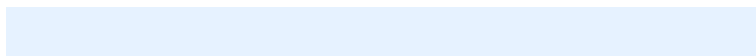
■ 9.0593, 0.1600,
0.0729

■ 7.6254, 0.1529,
0.0629

Harmonies

Analogous

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



87.4783, 0.2971, 0.3145



87.4783, 0.3037, 0.3131



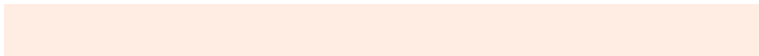
87.4783, 0.3128, 0.3158

Triad

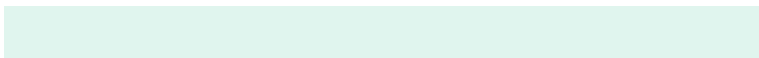
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4783, 0.3037, 0.3131



87.4783, 0.3312, 0.3378



87.4783, 0.3034, 0.3362

Complementary

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



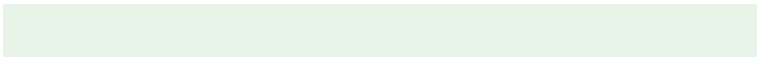
87.4783, 0.3037, 0.3131



98.8290, 0.3214, 0.3444

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.



87.4783, 0.3124, 0.3427



87.4783, 0.3037, 0.3131



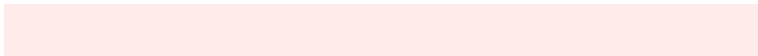
87.4783, 0.3285, 0.3435

Square

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



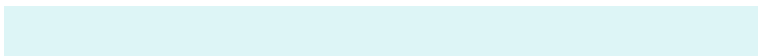
87.4783, 0.3037, 0.3131



87.4783, 0.3288, 0.3299



87.4783, 0.3216, 0.3454



87.4783, 0.2969, 0.3277

Rectangle

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



87.4783, 0.3037, 0.3131



87.4783, 0.3191, 0.3196



87.4783, 0.3216, 0.3454



87.4783, 0.3062, 0.3387

Sweetspot

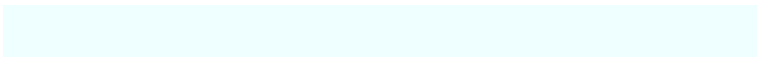
The Sweet Spot groups the original color and five complimentary colors.



87.4786, 0.3037, 0.3132



95.8917, 0.3099, 0.3241



96.5829, 0.3029, 0.3282



20.5678, 0.3101, 0.3243



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.



87.4786, 0.3037, 0.3132



84.2128, 0.3011, 0.3086



88.8779, 0.3088, 0.3134



17.4303, 0.2988, 0.3045



3.8479, 0.1518, 0.0610



0.3923, 0.1560, 0.0633

Inverse Universe

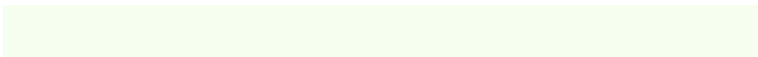
The Inverse Universe completely reimagines the original color for something new.



90.1551, 0.3140, 0.3146



87.5885, 0.3144, 0.3105



97.3822, 0.3165, 0.3447



18.2802, 0.3147, 0.3070



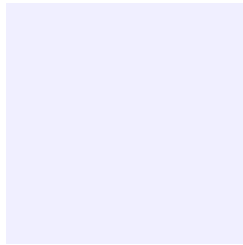
14.3901, 0.3368, 0.1629



1.4067, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 87.4783, 0.3037, 0.3131 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 87.4783, 0.3037, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

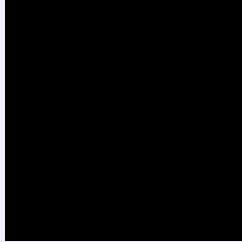
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4783, 0.3037, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 87.4783, 0.3037, 0.3131.



This preview shows how white text looks on a background with the Yxy color 87.4783, 0.3037, 0.3131.

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

87.4783, 0.3037, 0.3131

Protanopia

87.4783, 0.3037, 0.3131

Deuteranopia

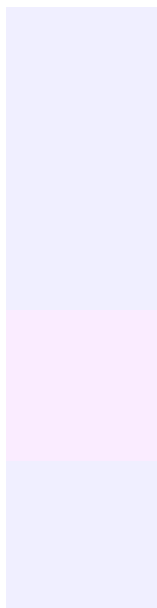
87.3256, 0.3137, 0.3088



Tritanopia

87.4783, 0.3037, 0.3131

Trichromacy



Original Color

87.4783, 0.3037, 0.3131

Protanomaly

87.4783, 0.3037, 0.3131

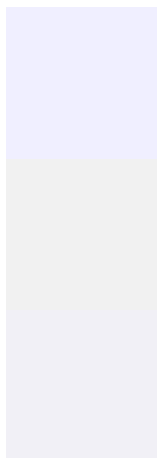
Deuteranomaly

87.5349, 0.3103, 0.3105

Tritanomaly

87.4783, 0.3037, 0.3131

Monochromacy



Original Color

87.4783, 0.3037, 0.3131

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.6748, 0.3097, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4783, 0.3037, 0.3131 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(240, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 239, 255)  
}
```

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(240, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.4783, 0.3037, 0.3131 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(240, 239, 255) }
```

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

```
.border{ border-color:rgb(240, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4783, 0.3037, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 239, 255) }
```

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

```
.background{ background-color: rgb(240,  
239, 255) }
```

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