

Converting Colors

$Y_{xy}(100.0000, 0.2394, 0.2057)$

Have a look what the booklet for
Yxy(100.0000, 0.2394, 0.2057)
contains.

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Color

Yxy(87.8302, 0.3050, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	F2EFFF
RGB	242, 239, 255
RGB Percent	95%, 94%, 100%
CMY	0.0511, 0.0627, 0.0000
CMYK	0.05, 0.06, 0.00, 0.00
HSL	251°, 100%, 97%
HSV	251°, 6%, 100%
XYZ	85.5307, 87.8302, 107.0676
YIQ	241.7210, -3.3480, 5.6120

Conversions

Conversions Part 2

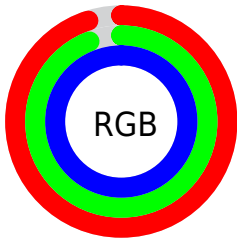
Format	Color
R _Y B	242, 239, 255
Decimal	15921151
CIE Lab	95.09, 3.89, -7.35
CIE LCh	95, 8.314, 297.889
Yxy	87.8302, 0.3050, 0.3132
Android (android.graphics.Color)	4294111231 (0xFF2EFFF)
YUV	241.7210, 6.5465, 0.2447
Hunter-Lab	93.7178, -1.0997, -2.1333

Details

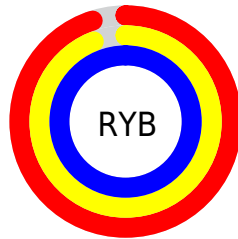
The Yxy color **87.8302, 0.3050, 0.3132** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.4541, 0.3201, 0.3445**, and the grayscale version is **88.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3833, 0.3036, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **70.4711, 0.2912, 0.2856**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

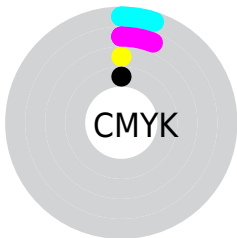
Distribution



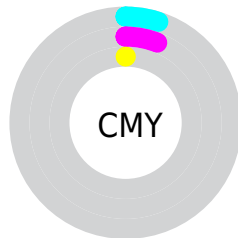
- Red (95%)
- Green (94%)
- Blue (100%)



- Red (95%)
- Yellow (94%)
- Blue (100%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8302, 0.3050, 0.3132 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 87.8302, 0.3050, 0.3132 by changing the saturation by 10% instead.

87.8302, 0.3050,
0.3132

87.8302, 0.3050,
0.3132

520.9470, 0.3085,
0.3202

66.1825, 0.3042,
0.3117

144.3207, 0.3062,
0.3156

48.4205, 0.3033,
0.3098

179.9323, 0.3067,
0.3165

34.1600, 0.3021,
0.3075

220.9673, 0.3071,
0.3173

23.0166, 0.3006,
0.3045

267.8101, 0.3074,
0.3181

14.6057, 0.2986,
0.3006

320.8450, 0.3077,
0.3187

8.5432, 0.2958,
0.2953

380.4566, 0.3080,

4.4444, 0.2916,

0.3193

0.2875

447.0291, 0.3082,
0.3198

■ 1.9251, 0.2848,
0.2750

■ 0.5634, 0.2705,
0.2418

■ 87.8302, 0.3050,
0.3132

■ 87.8302, 0.3050,
0.3132

■ 70.4711, 0.2912,
0.2856

100.0000, 0.3127,
0.3290

■ 55.5316, 0.2755,
0.2551

■ 42.9055, 0.2581,
0.2223

■ 32.4760, 0.2394,
0.1883

■ 24.1161, 0.2200,
0.1547

■ 17.6852, 0.2012,
0.1237

■ 13.0254, 0.1842,
0.0976

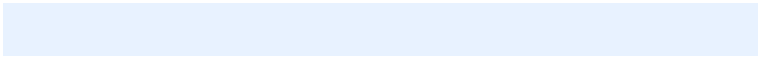
■ 9.9527, 0.1703,
0.0784

■ 8.2407, 0.1603,
0.0669

Harmonies

Analogous

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



87.8302, 0.2978, 0.3139



87.8302, 0.3050, 0.3132



87.8302, 0.3144, 0.3166

Triad

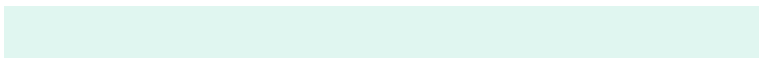
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8302, 0.3050, 0.3132



87.8302, 0.3312, 0.3390



87.8302, 0.3021, 0.3350

Complementary

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



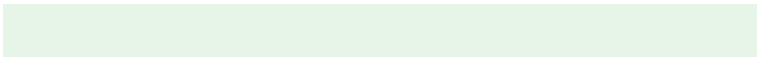
87.8302, 0.3050, 0.3132



98.4541, 0.3201, 0.3445

Split Complementary

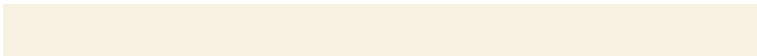
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.8302, 0.3109, 0.3420



87.8302, 0.3050, 0.3132



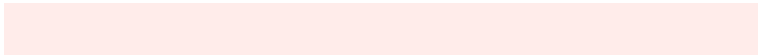
87.8302, 0.3278, 0.3442

Square

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



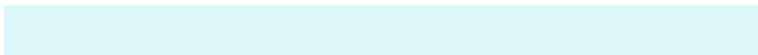
87.8302, 0.3050, 0.3132



87.8302, 0.3296, 0.3313



87.8302, 0.3203, 0.3453



87.8302, 0.2962, 0.3264

Rectangle

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



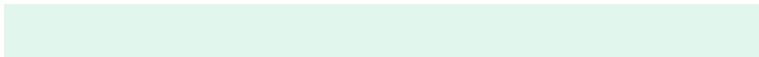
87.8302, 0.3050, 0.3132



87.8302, 0.3206, 0.3207



87.8302, 0.3203, 0.3453



87.8302, 0.3048, 0.3376

Sweetspot

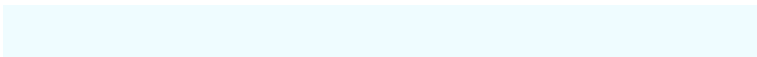
The Sweet Spot groups the original color and five complimentary colors.



87.8327, 0.3050, 0.3132



96.0098, 0.3103, 0.3241



95.2365, 0.3030, 0.3261



20.5919, 0.3105, 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.



87.8327, 0.3050, 0.3132



84.6519, 0.3028, 0.3087



89.2716, 0.3101, 0.3135



17.5399, 0.3008, 0.3046



4.1387, 0.1585, 0.0647



0.4443, 0.1680, 0.0699

Inverse Universe

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



90.0296, 0.3153, 0.3165



87.4264, 0.3160, 0.3129



96.9990, 0.3151, 0.3447



18.2391, 0.3167, 0.3099



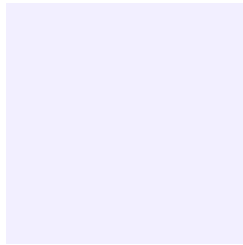
13.5008, 0.3744, 0.1836



1.3288, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 87.8302, 0.3050, 0.3132 looks on a white background.

Color Contrast Check

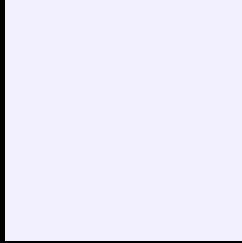
Large Text (above 18pt) WCAG AA × Fail

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 87.8302, 0.3050, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

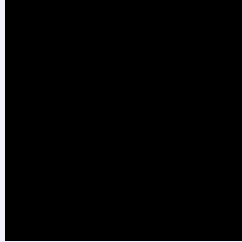
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8302, 0.3050, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 87.8302, 0.3050, 0.3132.



This preview shows how white text looks on a background with the Yxy color 87.8302, 0.3050, 0.3132.

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

87.8302, 0.3050, 0.3132

Protanopia

87.6538, 0.3044, 0.3132

Deuteranopia

87.8324, 0.3142, 0.3107



Tritanopia

87.8302, 0.3050, 0.3132

Trichromacy



Original Color

87.8302, 0.3050, 0.3132

Protanomaly

87.6538, 0.3044, 0.3132

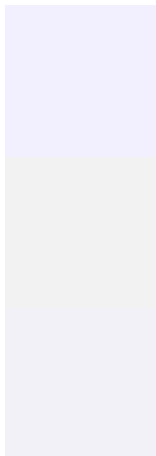
Deuteranomaly

87.4707, 0.3109, 0.3115

Tritanomaly

87.8302, 0.3050, 0.3132

Monochromacy



Original Color

87.8302, 0.3050, 0.3132

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.5032, 0.3097, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8302, 0.3050, 0.3132 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.8302, 0.3050, 0.3132 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, 239, 255) }
```

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

```
.border{ border-color:rgb(242, 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(242, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8302, 0.3050, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 239, 255) }
```

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

```
.background{ background-color: rgb(242,  
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](#).

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