

Converting Colors

Yxy(86.6656, 0.3051, 0.3112)

Have a look what the booklet for
Yxy(86.6656, 0.3051, 0.3112)
contains.

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Color

Yxy(86.6656, 0.3051, 0.3112)

Conversions

Conversions Part 1

Format	Color
Hex	F2EDFF
RGB	242, 237, 255
RGB Percent	95%, 93%, 100%
CMY	0.0507, 0.0706, 0.0000
CMYK	0.05, 0.07, 0.00, 0.00
HSL	257°, 100%, 96%
HSV	257°, 7%, 100%
XYZ	84.9668, 86.6656, 106.8560
YIQ	240.5470, -2.7980, 6.6580

Conversions

Conversions Part 2

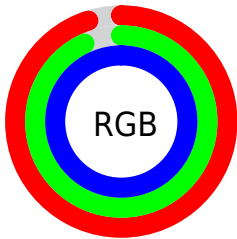
Format	Color
R _Y B	242, 237, 255
Decimal	15920639
CIE Lab	94.60, 4.95, -8.07
CIE LCh	95, 9.466, 301.540
Yxy	86.6656, 0.3051, 0.3112
Android (android.graphics.Color)	4294110719 (0xFF F2 ED FF)
YUV	240.5470, 7.1253, 1.2743
Hunter-Lab	93.0944, 0.0010, -2.8885

Details

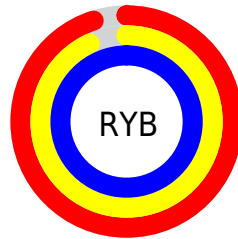
The Yxy color **86.6656, 0.3051, 0.3112** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.9440, 0.3200, 0.3465**, and the grayscale version is **87.5415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5641, 0.3037, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **69.8574, 0.2929, 0.2837**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

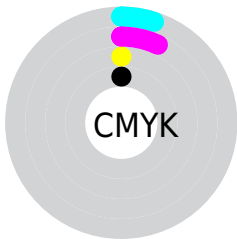
Distribution



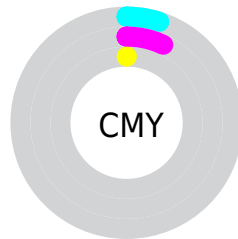
- Red (95%)
- Green (93%)
- Blue (100%)



- Red (95%)
- Yellow (93%)
- Blue (100%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6656, 0.3051, 0.3112 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 86.6656, 0.3051, 0.3112 by changing the saturation by 10% instead.


 86.6656, 0.3051,
0.3112

 86.6656, 0.3051,
0.3112


517.1234, 0.3085,
0.3191

 65.2185, 0.3043,
0.3095

142.6980, 0.3063,
0.3139

 47.6383, 0.3034,
0.3074


178.0520, 0.3067,
0.3149

 33.5405, 0.3022,
0.3047


218.8105, 0.3071,
0.3159

 22.5408, 0.3007,
0.3014

265.3578, 0.3075,
0.3167

 14.2548, 0.2987,
0.2970

318.0784, 0.3078,
0.3174

 8.2981, 0.2959,
0.2910

377.3566, 0.3081,

 4.2863, 0.2916,

0.3180

0.2822

443.5768, 0.3083,
0.3186

■ 1.8350, 0.2846,
0.2681

■ 0.5088, 0.2699,
0.2272

■ 86.6656, 0.3051,
0.3112

■ 86.6656, 0.3051,
0.3112

■ 69.8574, 0.2929,
0.2837

100.0000, 0.3127,
0.3290

■ 55.3722, 0.2789,
0.2536

■ 43.1092, 0.2633,
0.2216

■ 32.9561, 0.2463,
0.1887

■ 24.7903, 0.2286,
0.1564

■ 18.4764, 0.2110,
0.1267

■ 13.8617, 0.1945,
0.1017

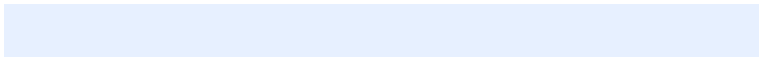
■ 10.7675, 0.1803,
0.0831

■ 8.9684, 0.1691,
0.0715

Harmonies

Analogous

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



86.6656, 0.2965, 0.3114



86.6656, 0.3051, 0.3112



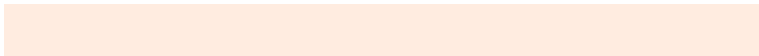
86.6656, 0.3159, 0.3155

Triad

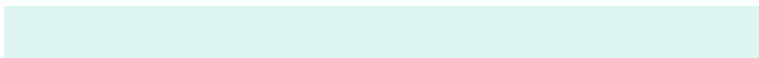
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6656, 0.3051, 0.3112



86.6656, 0.3337, 0.3413



86.6656, 0.2995, 0.3347

Complementary

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



86.6656, 0.3051, 0.3112



97.9440, 0.3200, 0.3465

Split Complementary

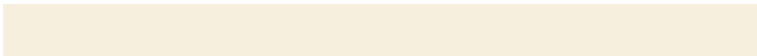
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6656, 0.3093, 0.3431



86.6656, 0.3051, 0.3112



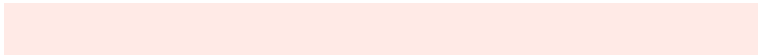
86.6656, 0.3291, 0.3468

Square

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



86.6656, 0.3051, 0.3112



86.6656, 0.3325, 0.3327



86.6656, 0.3201, 0.3475



86.6656, 0.2933, 0.3248

Rectangle

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



86.6656, 0.3051, 0.3112



86.6656, 0.3229, 0.3205



86.6656, 0.3201, 0.3475



86.6656, 0.3025, 0.3378

Sweetspot

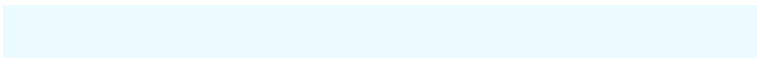
The Sweet Spot groups the original color and five complimentary colors.



86.6693, 0.3051, 0.3112



96.1008, 0.3106, 0.3241



93.7158, 0.3018, 0.3242



20.6104, 0.3107, 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.



86.6693, 0.3051, 0.3112



84.9936, 0.3040, 0.3087



88.2529, 0.3108, 0.3115



17.6254, 0.3023, 0.3047



4.5531, 0.1678, 0.0698



0.4955, 0.1793, 0.0761

Inverse Universe

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



88.7188, 0.3167, 0.3165



87.3033, 0.3172, 0.3148



96.3678, 0.3145, 0.3468



18.2080, 0.3181, 0.3121



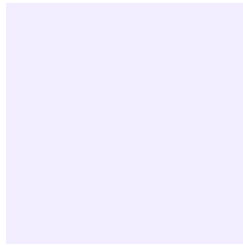
12.9261, 0.4080, 0.2021



1.2773, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 86.6656, 0.3051, 0.3112 looks on a white background.

Color Contrast Check

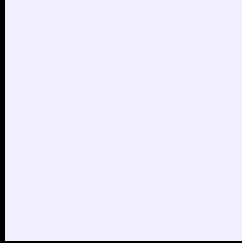
Large Text (above 18pt) WCAG AA × Fail

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 86.6656, 0.3051, 0.3112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

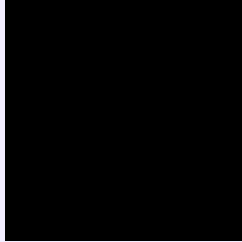
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.6656, 0.3051, 0.3112

Background



This preview shows how black text looks on a background with the Yxy color 86.6656, 0.3051, 0.3112.



This preview shows how white text looks on a background with the Yxy color 86.6656, 0.3051, 0.3112.

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

86.6656, 0.3051, 0.3112

Protanopia

86.7198, 0.3031, 0.3121

Deuteranopia

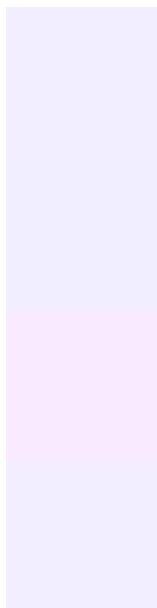
86.5687, 0.3130, 0.3077



Tritanopia

86.6656, 0.3051, 0.3112

Trichromacy



Original Color

86.6656, 0.3051, 0.3112

Protanomaly

86.8943, 0.3038, 0.3121

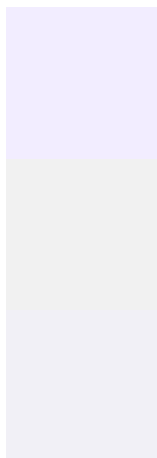
Deuteranomaly

86.3896, 0.3104, 0.3085

Tritanomaly

86.6656, 0.3051, 0.3112

Monochromacy



Original Color

86.6656, 0.3051, 0.3112

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 86.6656, 0.3051, 0.3112 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 237, 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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.6656, 0.3051, 0.3112 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, 237, 255) }
```

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

```
.border{ border-color:rgb(242, 237, 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, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6656, 0.3051, 0.3112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 237, 255) }
```

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

```
.background{ background-color: rgb(242,  
237, 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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