

Converting Colors

$Yxy(87.2132, 0.3003, 0.3063)$

Have a look what the booklet for
Yxy(87.2132, 0.3003, 0.3063)
contains.

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Color

Yxy(86.8943, 0.3038, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	F0EEFF
RGB	240, 238, 255
RGB Percent	94%, 93%, 100%
CMY	0.0585, 0.0668, 0.0000
CMYK	0.06, 0.07, 0.00, 0.00
HSL	247°, 100%, 97%
HSV	247°, 7%, 100%
XYZ	84.5834, 86.8943, 106.9404
YIQ	240.5360, -4.2650, 5.7110

Conversions

Conversions Part 2

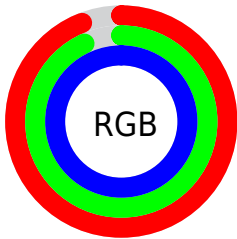
Format	Color
R _{YB}	240, 238, 255
Decimal	15789823
CIE _{Lab}	94.69, 3.81, -7.95
CIE _{LCh}	95, 8.817, 295.583
Y _{xy}	86.8943, 0.3038, 0.3121
Android (android.graphics.Color)	4293979903 (0xFFFF0EEFF)
Y _{UV}	240.5360, 7.1308, -0.4701
Hunter-Lab	93.2171, -1.1625, -2.7666

Details

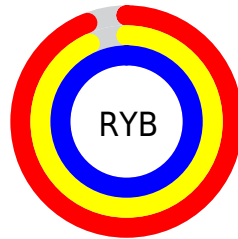
The Yxy color **86.8943, 0.3038, 0.3121** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **98.5544, 0.3213, 0.3455**, and the grayscale version is **87.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7235, 0.3020, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **69.4119, 0.2888, 0.2842**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

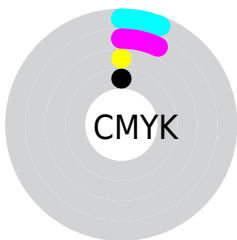
Distribution



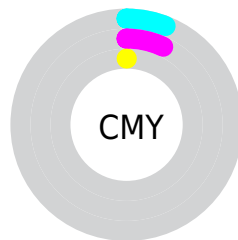
- Red (94%)
- Green (93%)
- Blue (100%)



- Red (94%)
- Yellow (93%)
- Blue (100%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8943, 0.3038, 0.3121 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 86.8943, 0.3038, 0.3121 by changing the saturation by 10% instead.

 86.8943, 0.3038,
0.3121

 86.8943, 0.3038,
0.3121

517.8755, 0.3078,
0.3196

 65.4077, 0.3029,
0.3105


143.0168, 0.3052,
0.3147

 47.7918, 0.3018,
0.3084


178.4215, 0.3057,
0.3157

 33.6620, 0.3005,
0.3060


219.2344, 0.3062,
0.3165

 22.6341, 0.2987,
0.3028

265.8399, 0.3066,
0.3173

 14.3235, 0.2964,
0.2986

318.6224, 0.3070,
0.3180

 8.3460, 0.2931,
0.2928

377.9662, 0.3073,

 4.3172, 0.2883,

0.3186

0.2844

444.2558, 0.3076,
0.3191

■ 1.8525, 0.2803,
0.2708

■ 0.5196, 0.2623,
0.2323

■ 86.8943, 0.3038,
0.3121

■ 86.8943, 0.3038,
0.3121

■ 69.4119, 0.2888,
0.2842

100.0000, 0.3127,
0.3290

■ 54.4065, 0.2719,
0.2532

■ 41.7675, 0.2533,
0.2198

■ 31.3737, 0.2334,
0.1851

■ 23.0929, 0.2132,
0.1509

■ 16.7791, 0.1940,
0.1195

■ 12.2673, 0.1772,
0.0934

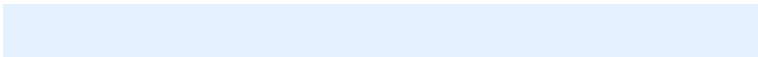
■ 9.3655, 0.1642,
0.0748

■ 7.8352, 0.1556,
0.0643

Harmonies

Analogous

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



86.8943, 0.2964, 0.3132



86.8943, 0.3038, 0.3121



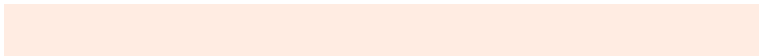
86.8943, 0.3137, 0.3154

Triad

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



86.8943, 0.3038, 0.3121



86.8943, 0.3324, 0.3390



86.8943, 0.3020, 0.3360

Complementary

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



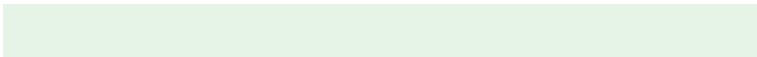
86.8943, 0.3038, 0.3121



98.5544, 0.3213, 0.3455

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.



86.8943, 0.3115, 0.3432



86.8943, 0.3038, 0.3121



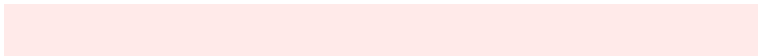
86.8943, 0.3292, 0.3449

Square

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



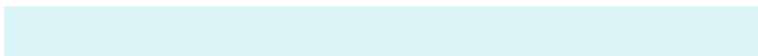
86.8943, 0.3038, 0.3121



86.8943, 0.3303, 0.3307



86.8943, 0.3215, 0.3465



86.8943, 0.2954, 0.3269

Rectangle

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



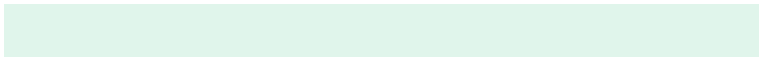
86.8943, 0.3038, 0.3121



86.8943, 0.3203, 0.3196



86.8943, 0.3215, 0.3465



86.8943, 0.3050, 0.3387

Sweetspot

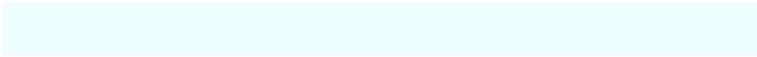
The Sweet Spot groups the original color and five complimentary colors.



86.8965, 0.3038, 0.3121



95.9514, 0.3101, 0.3241



95.6528, 0.3023, 0.3270



20.5799, 0.3103, 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.



86.8965, 0.3038, 0.3121



84.4339, 0.3019, 0.3086



88.3997, 0.3092, 0.3124



17.4854, 0.2998, 0.3045



3.9628, 0.1545, 0.0625



0.4182, 0.1621, 0.0666

Inverse Universe

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



89.4814, 0.3148, 0.3146



87.5063, 0.3152, 0.3117



97.0150, 0.3160, 0.3457



18.2594, 0.3157, 0.3084



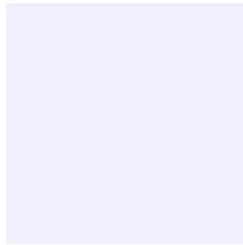
13.9203, 0.3549, 0.1729



1.3658, 0.3505, 0.1704

Previews

White Background



This preview shows how the Yxy color 86.8943, 0.3038, 0.3121 looks on a white background.

Color Contrast Check

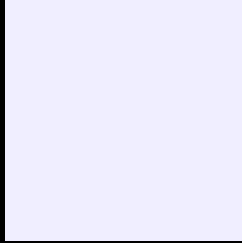
Large Text (above 18pt) WCAG AA × Fail

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 86.8943, 0.3038, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

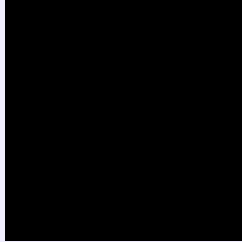
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.8943, 0.3038, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 86.8943, 0.3038, 0.3121.



This preview shows how white text looks on a background with the Yxy color 86.8943, 0.3038, 0.3121.

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

86.8943, 0.3038, 0.3121

Protanopia

86.7198, 0.3031, 0.3121

Deuteranopia

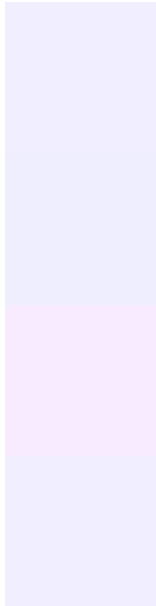
86.5687, 0.3130, 0.3077



Tritanopia

86.8943, 0.3038, 0.3121

Trichromacy



Original Color

86.8943, 0.3038, 0.3121

Protanomaly

86.7198, 0.3031, 0.3121

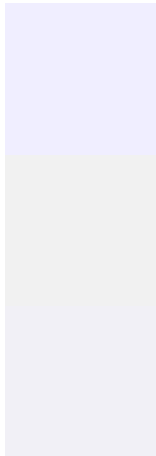
Deuteranomaly

86.7764, 0.3097, 0.3095

Tritanomaly

86.8943, 0.3038, 0.3121

Monochromacy



Original Color

86.8943, 0.3038, 0.3121

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 86.8943, 0.3038, 0.3121 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.8943, 0.3038, 0.3121 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, 238, 255) }
```

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

```
.border{ border-color:rgb(240, 238, 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, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8943, 0.3038, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 255) }
```

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

```
.background{ background-color: rgb(240,  
238, 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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