

Converting Colors

$Yxy(85.1509, 0.3104, 0.3185)$

Have a look what the booklet for
Yxy(85.1509, 0.3104, 0.3185)
contains.

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Color

Yxy(84.9477, 0.3106, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	F2EBF6
RGB	242, 235, 246
RGB Percent	95%, 92%, 96%
CMY	0.0508, 0.0785, 0.0353
CMYK	0.02, 0.04, 0.00, 0.04
HSL	278°, 38%, 94%
HSV	278°, 4%, 96%
XYZ	82.9709, 84.9477, 99.2125
YIQ	238.3470, 0.6410, 4.9050

Conversions

Conversions Part 2

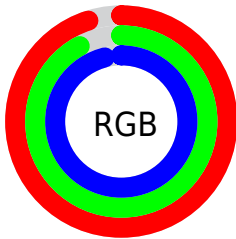
Format	Color
R _Y B	242, 235, 246
Decimal	15920118
CIE Lab	93.86, 4.32, -4.48
CIE LCh	94, 6.224, 313.970
Yxy	84.9477, 0.3106, 0.3180
Android (android.graphics.Color)	4294110198 (0xFF2EBF6)
YUV	238.3470, 3.7729, 3.2037
Hunter-Lab	92.1671, -0.6026, 0.6947

Details

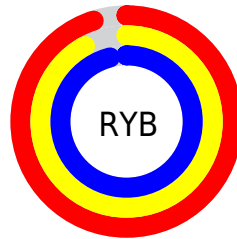
The Yxy color **84.9477, 0.3106, 0.3180** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.2532, 0.3147, 0.3401**, and the grayscale version is **85.7589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3970, 0.3100, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **70.2973, 0.3052, 0.2921**, and if you desaturate by 10%, it is **98.6631, 0.3154, 0.3377**.

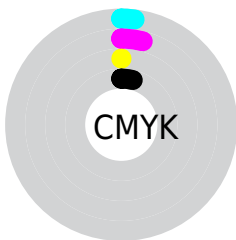
Distribution



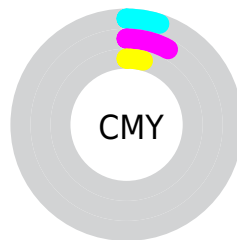
- Red (95%)
- Green (92%)
- Blue (96%)



- Red (95%)
- Yellow (92%)
- Blue (96%)



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



- Cyan (5%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9477, 0.3106, 0.3180 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 84.9477, 0.3106, 0.3180 by changing the saturation by 10% instead.

 84.9477, 0.3106,
0.3180

 84.9477, 0.3106,
0.3180


511.4550, 0.3116,
0.3229

 63.7982, 0.3104,
0.3169

140.3001, 0.3109,
0.3197

 46.4872, 0.3101,
0.3156

175.2718, 0.3111,
0.3203

 32.6305, 0.3098,
0.3139


215.6196, 0.3112,
0.3209

 21.8435, 0.3093,
0.3118

261.7280, 0.3113,
0.3214

 13.7420, 0.3087,
0.3090

313.9813, 0.3114,
0.3219

 7.9414, 0.3079,
0.3052

372.7640, 0.3114,

 4.0575, 0.3066,

0.3223

0.2994

438.4604, 0.3115,
0.3226

■ 1.7058, 0.3044,
0.2900

■ 0.4274, 0.2979,
0.2488

■ 84.9477, 0.3106,
0.3180

■ 84.9477, 0.3106,
0.3180

■ 70.2973, 0.3052,
0.2921

■ 98.6631, 0.3154,
0.3377

■ 57.5863, 0.2989,
0.2648

■ 99.4339, 0.3179,
0.3376

■ 46.7324, 0.2916,
0.2366

■ 37.6431, 0.2833,
0.2085

■ 30.2176, 0.2742,
0.1815

■ 24.3448, 0.2646,
0.1569

■ 19.8997, 0.2547,
0.1361

■ 16.7369, 0.2450,
0.1199

■ 14.6790, 0.2357,
0.1089

Harmonies

Analogous

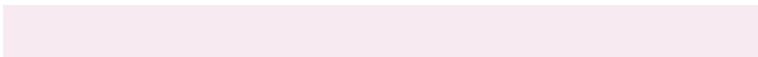
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9477, 0.3040, 0.3169



84.9477, 0.3106, 0.3180



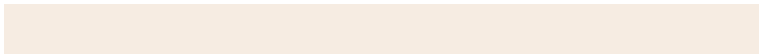
84.9477, 0.3178, 0.3220

Triad

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



84.9477, 0.3106, 0.3180



84.9477, 0.3257, 0.3390



84.9477, 0.3019, 0.3301

Complementary

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



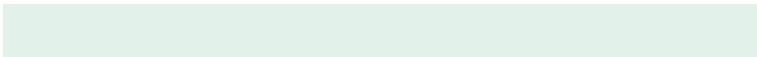
84.9477, 0.3106, 0.3180



90.2532, 0.3147, 0.3401

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.



84.9477, 0.3076, 0.3362



84.9477, 0.3106, 0.3180



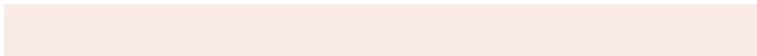
84.9477, 0.3214, 0.3414

Square

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



84.9477, 0.3106, 0.3180



84.9477, 0.3266, 0.3340



84.9477, 0.3147, 0.3404



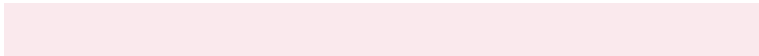
84.9477, 0.2991, 0.3237

Rectangle

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



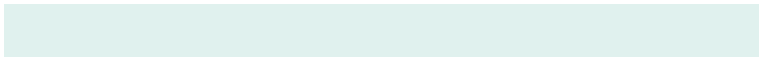
84.9477, 0.3106, 0.3180



84.9477, 0.3220, 0.3258



84.9477, 0.3147, 0.3404



84.9477, 0.3035, 0.3322

Sweetspot

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



84.9513, 0.3106, 0.3180



98.2102, 0.3123, 0.3266



86.0654, 0.3059, 0.3219



21.0399, 0.3123, 0.3267



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.



84.9513, 0.3106, 0.3180



91.2735, 0.3103, 0.3167



85.5702, 0.3141, 0.3195



17.6651, 0.3100, 0.3150



7.4860, 0.2322, 0.1053



0.7157, 0.2433, 0.1114

Inverse Universe

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



85.2353, 0.3176, 0.3251



91.6185, 0.3183, 0.3246



89.6567, 0.3113, 0.3386



17.7419, 0.3190, 0.3240



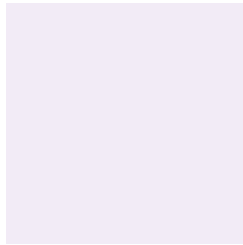
10.8628, 0.5541, 0.2826



0.9737, 0.5195, 0.2636

Previews

White Background



This preview shows how the Yxy color 84.9477, 0.3106, 0.3180 looks on a white background.

Color Contrast Check

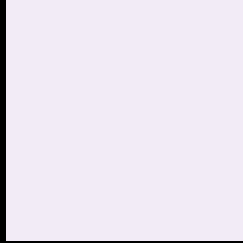
Large Text (above 18pt) WCAG AA × Fail

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 84.9477, 0.3106, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

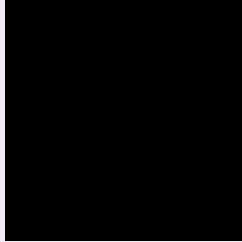
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

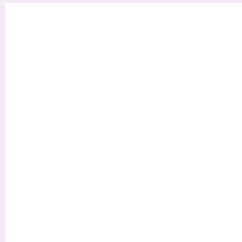
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9477, 0.3106, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 84.9477, 0.3106, 0.3180.

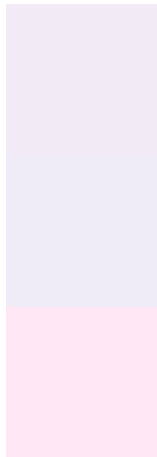


This preview shows how white text looks on a background with the Yxy color 84.9477, 0.3106, 0.3180.

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

84.9477, 0.3106, 0.3180

Protanopia

85.0570, 0.3080, 0.3180

Deuteranopia

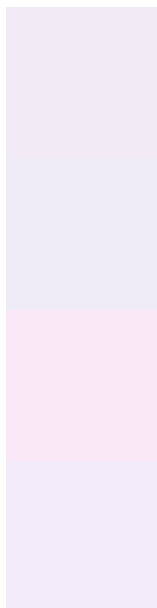
85.0656, 0.3195, 0.3144



Tritanopia

84.9286, 0.3076, 0.3112

Trichromacy



Original Color

84.9477, 0.3106, 0.3180

Protanomaly

85.2316, 0.3086, 0.3180

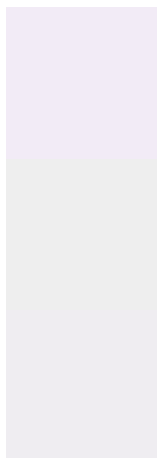
Deuteranomaly

84.6910, 0.3161, 0.3152

Tritanomaly

84.8025, 0.3088, 0.3131

Monochromacy



Original Color

84.9477, 0.3106, 0.3180

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2700, 0.3116, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9477, 0.3106, 0.3180 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, 235, 246)` looks like.

```
.text, #text, p{  
    color:rgb(242, 235, 246)  
}
```

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, 235, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 235, 246) }
```

Border

The CSS property to change the border of an element to Yxy 84.9477, 0.3106, 0.3180 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, 235, 246) }
```

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

```
.border{ border-color:rgb(242, 235, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 235, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 235, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 235, 246);  
box-shadow:4px 4px 4px 4px rgb(242, 235,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9477, 0.3106, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 235, 246) }
```

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

```
.background{ background-color: rgb(242,  
235, 246) }
```

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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