

Converting Colors

$Y_{xy}(86.6556, 0.3030, 0.3046)$

Have a look what the booklet for
Yxy(86.6556, 0.3030, 0.3046)
contains.

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Color

Yxy(86.4440, 0.3064, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	F4ECFF
RGB	244, 236, 255
RGB Percent	96%, 93%, 100%
CMY	0.0430, 0.0745, 0.0001
CMYK	0.04, 0.07, 0.00, 0.00
HSL	265°, 100%, 96%
HSV	265°, 7%, 100%
XYZ	85.3575, 86.4440, 106.7805
YIQ	240.5580, -1.3310, 7.6050

Conversions

Conversions Part 2

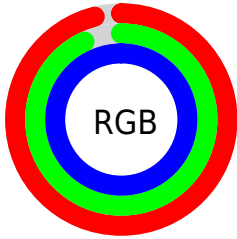
Format	Color
R _Y B	244, 236, 255
Decimal	16051455
CIE Lab	94.50, 6.10, -8.18
CIE LCh	95, 10.205, 306.681
Yxy	86.4440, 0.3064, 0.3103
Android (android.graphics.Color)	4294241535 (0xFF4ECFF)
YUV	240.5580, 7.1199, 3.0186
Hunter-Lab	92.9753, 1.1683, -3.0109

Details

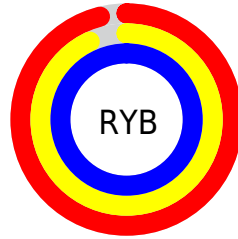
The Yxy color **86.4440, 0.3064, 0.3103** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.3337, 0.3187, 0.3476**, and the grayscale version is **87.5456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4111, 0.3054, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **70.2685, 0.2967, 0.2831**, and if you desaturate by 10%, it is **99.9990, 0.3127, 0.3290**.

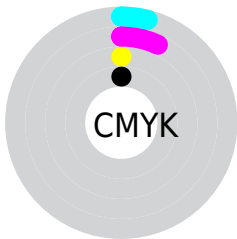
Distribution



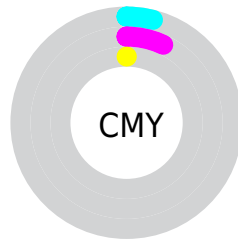
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4440, 0.3064, 0.3103 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 86.4440, 0.3064, 0.3103 by changing the saturation by 10% instead.


 86.4440, 0.3064,
0.3103

 86.4440, 0.3064,
0.3103


516.3941, 0.3093,
0.3186

 65.0352, 0.3058,
0.3085


142.3889, 0.3074,
0.3131

 47.4896, 0.3050,
0.3063


177.6938, 0.3078,
0.3142

 33.4229, 0.3040,
0.3035


218.3995, 0.3081,
0.3152

 22.4506, 0.3027,
0.3001

264.8904, 0.3084,
0.3160

 14.1884, 0.3010,
0.2955

317.5510, 0.3087,
0.3168

 8.2518, 0.2986,
0.2892

376.7655, 0.3089,

 4.2565, 0.2950,

0.3175

0.2800

442.9184, 0.3091,
0.3181

■ 1.8180, 0.2889,
0.2653

■ 0.4984, 0.2775,
0.2221

■ 86.4440, 0.3064,
0.3103

■ 86.4440, 0.3064,
0.3103

■ 70.2685, 0.2967,
0.2831

99.9990, 0.3127,
0.3290

■ 56.3025, 0.2855,
0.2539

■ 44.4498, 0.2728,
0.2233

■ 34.6030, 0.2589,
0.1922

■ 26.6447, 0.2441,
0.1621

■ 20.4451, 0.2290,
0.1346

■ 15.8571, 0.2143,
0.1113

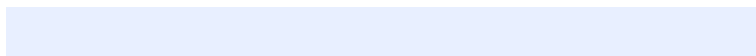
■ 12.7081, 0.2007,
0.0938

■ 10.7751, 0.1890,
0.0823

Harmonies

Analogous

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



86.4440, 0.2965, 0.3096



86.4440, 0.3064, 0.3103



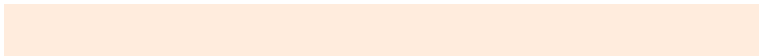
86.4440, 0.3182, 0.3157

Triad

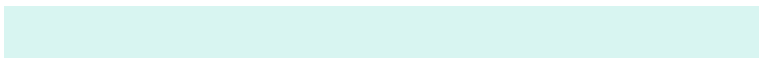
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4440, 0.3064, 0.3103



86.4440, 0.3349, 0.3435



86.4440, 0.2970, 0.3333

Complementary

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



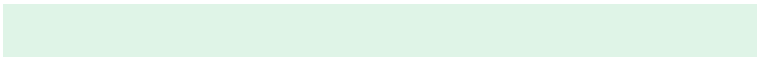
86.4440, 0.3064, 0.3103



97.3337, 0.3187, 0.3476

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.



86.4440, 0.3070, 0.3429



86.4440, 0.3064, 0.3103



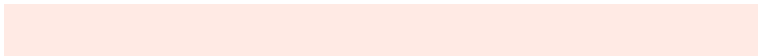
86.4440, 0.3290, 0.3487

Square

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



86.4440, 0.3064, 0.3103



86.4440, 0.3348, 0.3347



86.4440, 0.3187, 0.3486



86.4440, 0.2912, 0.3227

Rectangle

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



86.4440, 0.3064, 0.3103



86.4440, 0.3255, 0.3214



86.4440, 0.3187, 0.3486



86.4440, 0.3000, 0.3368

Sweetspot

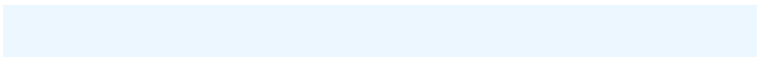
The Sweet Spot groups the original color and five complimentary colors.



86.4477, 0.3064, 0.3103



96.2349, 0.3111, 0.3241



91.6193, 0.3012, 0.3211



20.6377, 0.3112, 0.3244



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.



86.4477, 0.3064, 0.3103



83.7945, 0.3050, 0.3062



88.1685, 0.3125, 0.3107



17.7529, 0.3045, 0.3049



5.5148, 0.1880, 0.0809



0.5996, 0.2006, 0.0878

Inverse Universe

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



87.9612, 0.3186, 0.3184



85.6122, 0.3199, 0.3161



95.6716, 0.3128, 0.3479



18.1629, 0.3203, 0.3154



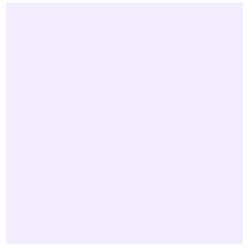
12.2436, 0.4638, 0.2329



1.2140, 0.4430, 0.2214

Previews

White Background



This preview shows how the Yxy color 86.4440, 0.3064, 0.3103 looks on a white background.

Color Contrast Check

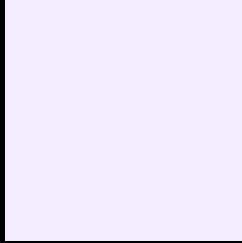
Large Text (above 18pt) WCAG AA × Fail

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 86.4440, 0.3064, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

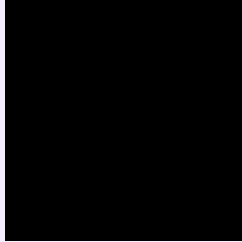
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

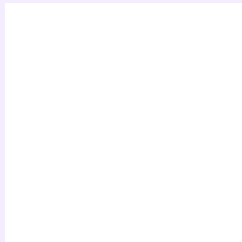
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4440, 0.3064, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 86.4440, 0.3064, 0.3103.

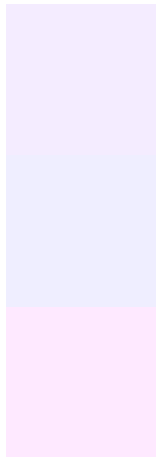


This preview shows how white text looks on a background with the Yxy color 86.4440, 0.3064, 0.3103.

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

86.4440, 0.3064, 0.3103

Protanopia

86.7198, 0.3031, 0.3121

Deuteranopia

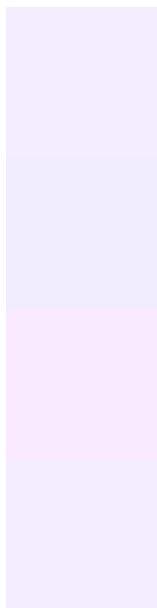
86.5687, 0.3130, 0.3077



Tritanopia

86.4440, 0.3064, 0.3103

Trichromacy



Original Color

86.4440, 0.3064, 0.3103

Protanomaly

86.4891, 0.3044, 0.3112

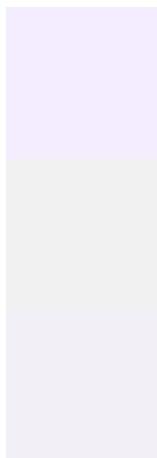
Deuteranomaly

86.3896, 0.3104, 0.3085

Tritanomaly

86.4440, 0.3064, 0.3103

Monochromacy



Original Color

86.4440, 0.3064, 0.3103

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.2641, 0.3104, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4440, 0.3064, 0.3103 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(244, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 236, 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(244, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.4440, 0.3064, 0.3103 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(244, 236, 255) }
```

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

```
.border{ border-color:rgb(244, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4440, 0.3064, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 236, 255) }
```

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

```
.background{ background-color: rgb(244,  
236, 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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