

Converting Colors

$Y_{xy}(86.9754, 0.2953, 0.2921)$

Have a look what the booklet for
Yxy(86.9754, 0.2953, 0.2921)
contains.

Yxy(85.6913, 0.3057, 0.3092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.6913, 0.3057, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	F3EBFF
RGB	243, 235, 255
RGB Percent	95%, 92%, 100%
CMY	0.0471, 0.0784, 0.0000
CMYK	0.05, 0.08, 0.00, 0.00
HSL	264°, 100%, 96%
HSV	264°, 8%, 100%
XYZ	84.7213, 85.6913, 106.7261
YIQ	239.6720, -1.6520, 7.9160

Conversions

Conversions Part 2

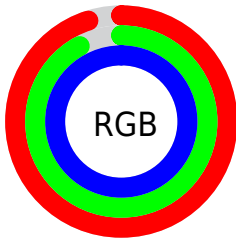
Format	Color
R _{YB}	243, 235, 255
Decimal	15985663
CIE Lab	94.18, 6.28, -8.70
CIE LCh	94, 10.734, 305.811
Yxy	85.6913, 0.3057, 0.3092
Android (android.graphics.Color)	4294175743 (0xFFFF3EBFF)
YUV	239.6720, 7.5567, 2.9187
Hunter-Lab	92.5696, 1.3695, -3.5584

Details

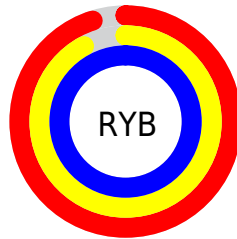
The Yxy color 85.6913, 0.3057, 0.3092 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.2977, 0.3193, 0.3486, and the grayscale version is 86.8059, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 46.8822, 0.3045, 0.3050 is the 20% darker color. If you saturate the color by 10%, you get 69.5064, 0.2955, 0.2819, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

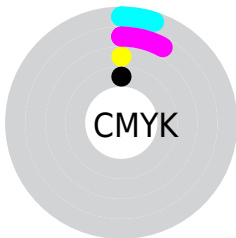
Distribution



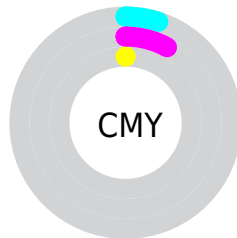
- Red (95%)
- Green (92%)
- Blue (100%)



- Red (95%)
- Yellow (92%)
- Blue (100%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6913, 0.3057, 0.3092 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 85.6913, 0.3057, 0.3092 by changing the saturation by 10% instead.


 85.6913, 0.3057,
0.3092

 85.6913, 0.3057,
0.3092


513.9128, 0.3089,
0.3180

 64.4127, 0.3050,
0.3073


141.3386, 0.3068,
0.3122

 46.9850, 0.3041,
0.3049


176.4762, 0.3072,
0.3134

 33.0238, 0.3030,
0.3020


217.0022, 0.3076,
0.3144

 22.1447, 0.3016,
0.2983

263.3010, 0.3079,
0.3153

 13.9633, 0.2997,
0.2935

315.7571, 0.3082,
0.3161

 8.0951, 0.2970,
0.2868

374.7548, 0.3085,

 4.1559, 0.2929,

0.3168

0.2770

440.6786, 0.3087,
0.3174

■ 1.7611, 0.2861,
0.2613

■ 0.4628, 0.2726,
0.2127

■ 85.6913, 0.3057,
0.3092

■ 85.6913, 0.3057,
0.3092

■ 69.5064, 0.2955,
0.2819

100.0000, 0.3127,
0.3290

■ 55.5478, 0.2838,
0.2525

■ 43.7152, 0.2705,
0.2215

■ 33.8998, 0.2560,
0.1901

■ 25.9831, 0.2407,
0.1597

■ 19.8339, 0.2250,
0.1319

■ 15.3034, 0.2100,
0.1086

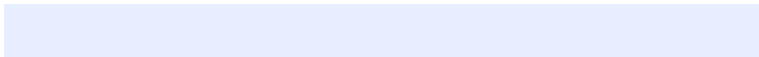
■ 12.2168, 0.1963,
0.0911

■ 10.3425, 0.1847,
0.0798

Harmonies

Analogous

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



85.6913, 0.2954, 0.3086



85.6913, 0.3057, 0.3092



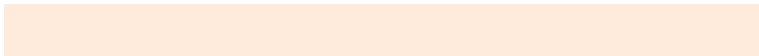
85.6913, 0.3181, 0.3148

Triad

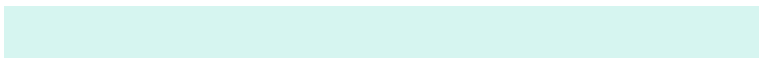
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6913, 0.3057, 0.3092



85.6913, 0.3362, 0.3441



85.6913, 0.2964, 0.3338

Complementary

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



85.6913, 0.3057, 0.3092



97.2977, 0.3193, 0.3486

Split Complementary

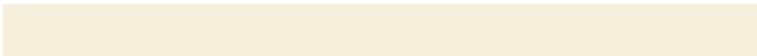
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6913, 0.3071, 0.3439



85.6913, 0.3057, 0.3092



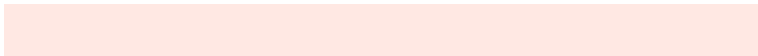
85.6913, 0.3301, 0.3497

Square

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



85.6913, 0.3057, 0.3092



85.6913, 0.3359, 0.3347



85.6913, 0.3194, 0.3498



85.6913, 0.2901, 0.3226

Rectangle

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



85.6913, 0.3057, 0.3092



85.6913, 0.3259, 0.3207



85.6913, 0.3194, 0.3498



85.6913, 0.2996, 0.3375

Sweetspot

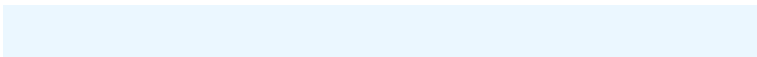
The Sweet Spot groups the original color and five complimentary colors.



85.6915, 0.3057, 0.3093



96.2121, 0.3110, 0.3241



91.6105, 0.3006, 0.3214



20.6331, 0.3111, 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.



85.6915, 0.3057, 0.3093



83.6976, 0.3046, 0.3062



87.4608, 0.3121, 0.3096



17.7311, 0.3041, 0.3049



5.3199, 0.1840, 0.0787



0.5794, 0.1966, 0.0857

Inverse Universe

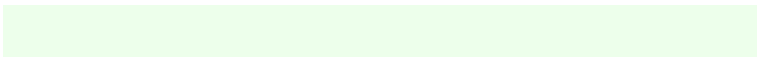
The Inverse Universe completely reimagines the original color for something new.



87.3976, 0.3186, 0.3173



85.6459, 0.3195, 0.3156



95.5815, 0.3132, 0.3490



18.1705, 0.3200, 0.3148



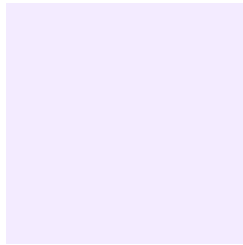
12.3463, 0.4539, 0.2274



1.2237, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 85.6913, 0.3057, 0.3092 looks on a white background.

Color Contrast Check

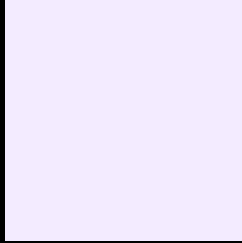
Large Text (above 18pt) WCAG AA × Fail

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 85.6913, 0.3057, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

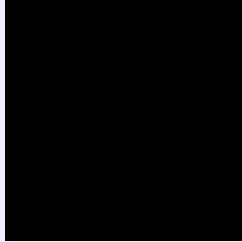
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6913, 0.3057, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 85.6913, 0.3057, 0.3092.

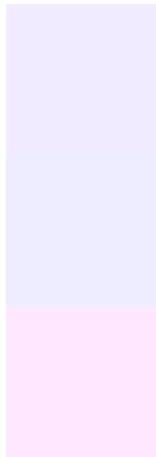


This preview shows how white text looks on a background with the Yxy color 85.6913, 0.3057, 0.3092.

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

85.6913, 0.3057, 0.3092

Protanopia

85.7929, 0.3018, 0.3110

Deuteranopia

85.8159, 0.3124, 0.3067



Tritanopia

85.6271, 0.3063, 0.3102

Trichromacy



Original Color

85.6913, 0.3057, 0.3092

Protanomaly

85.5616, 0.3031, 0.3101

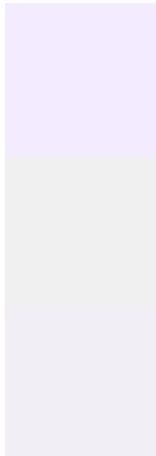
Deuteranomaly

85.6376, 0.3097, 0.3075

Tritanomaly

85.6271, 0.3063, 0.3102

Monochromacy



Original Color

85.6913, 0.3057, 0.3092

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.4424, 0.3104, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6913, 0.3057, 0.3092 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(243, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 235, 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(243, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.6913, 0.3057, 0.3092 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(243, 235, 255) }
```

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

```
.border{ border-color:rgb(243, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6913, 0.3057, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 235, 255) }
```

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

```
.background{ background-color: rgb(243,  
235, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor