

Converting Colors

$Y_{xy}(85.9175, 0.3168, 0.3114)$

Have a look what the booklet for
Yxy(85.9175, 0.3168, 0.3114)
contains.

Yxy(85.8754, 0.3169, 0.3115)	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(85.8754, 0.3169, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8FA
RGB	255, 232, 250
RGB Percent	100%, 91%, 98%
CMY	0.0000, 0.0902, 0.0195
CMYK	0.00, 0.09, 0.02, 0.00
HSL	313°, 100%, 95%
HSV	313°, 9%, 100%
XYZ	87.3641, 85.8754, 102.4440
YIQ	240.9290, 7.9300, 10.4740

Conversions

Conversions Part 2

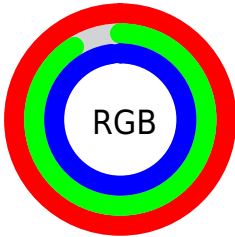
Format	Color
R _Y B	255, 232, 250
Decimal	16771322
CIE Lab	94.26, 10.89, -5.88
CIE LCh	94, 12.377, 331.659
Yxy	85.8754, 0.3169, 0.3115
Android (android.graphics.Color)	4294961402 (0xFFFFE8FA)
YUV	240.9290, 4.4720, 12.3403
Hunter-Lab	92.6690, 6.1109, -0.6758

Details

The Yxy color **85.8754, 0.3169, 0.3115** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.7863, 0.3088, 0.3472**, and the grayscale version is **87.8629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9515, 0.3172, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **72.2047, 0.3222, 0.2914**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

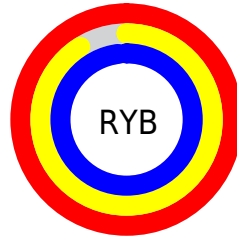
Distribution



Red (100%)

Green (91%)

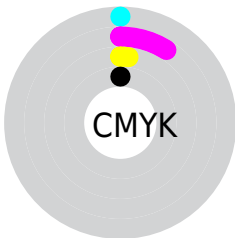
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

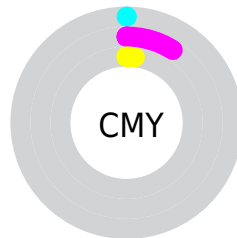


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.8754, 0.3169, 0.3115 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 85.8754, 0.3169, 0.3115 by changing the saturation by 10% instead.


 85.8754, 0.3169,
0.3115

 85.8754, 0.3169,
0.3115


514.5203, 0.3151,
0.3193

 64.5649, 0.3173,
0.3098


141.5956, 0.3163,
0.3141

 47.1084, 0.3178,
0.3077


176.7741, 0.3160,
0.3152

 33.1214, 0.3184,
0.3052


217.3441, 0.3158,
0.3161

 22.2194, 0.3191,
0.3019

263.6900, 0.3156,
0.3169

 14.0182, 0.3200,
0.2977

316.1962, 0.3155,
0.3176

 8.1333, 0.3213,
0.2918

375.2470, 0.3153,

 4.1804, 0.3232,

0.3182

0.2833

441.2269, 0.3152,
0.3188

■ 1.7750, 0.3260,
0.2696

■ 0.4715, 0.3385,
0.2235

■ 85.8754, 0.3169,
0.3115

■ 85.8754, 0.3169,
0.3115

■ 72.2047, 0.3222,
0.2914

100.0000, 0.3127,
0.3290

■ 60.5392, 0.3283,
0.2710

■ 50.7812, 0.3352,
0.2510

■ 42.8271, 0.3429,
0.2322

■ 36.5632, 0.3511,
0.2157

■ 31.8630, 0.3597,
0.2026

■ 28.5819, 0.3683,
0.1937

■ 26.5487, 0.3768,
0.1895

■ 25.5099, 0.3850,
0.1897

Harmonies

Analogous

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



85.8754, 0.3027, 0.3058



85.8754, 0.3169, 0.3115



85.8754, 0.3302, 0.3216

Triad

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



85.8754, 0.3169, 0.3115



85.8754, 0.3341, 0.3523



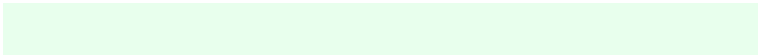
85.8754, 0.2873, 0.3233

Complementary

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



85.8754, 0.3169, 0.3115



94.7863, 0.3088, 0.3472

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.



85.8754, 0.2954, 0.3363



85.8754, 0.3169, 0.3115



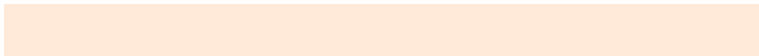
85.8754, 0.3223, 0.3534

Square

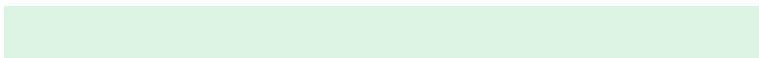
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



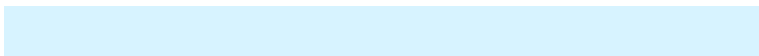
85.8754, 0.3169, 0.3115



85.8754, 0.3403, 0.3450



85.8754, 0.3081, 0.3475



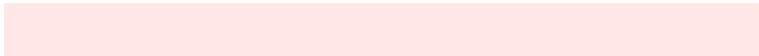
85.8754, 0.2859, 0.3122

Rectangle

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



85.8754, 0.3169, 0.3115



85.8754, 0.3366, 0.3297



85.8754, 0.3081, 0.3475



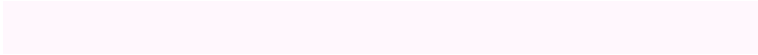
85.8754, 0.2893, 0.3276

Sweetspot

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



85.8736, 0.3169, 0.3115



95.1100, 0.3140, 0.3233



82.8638, 0.3016, 0.3059



20.0847, 0.3144, 0.3217



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.



85.8736, 0.3169, 0.3115



83.0073, 0.3179, 0.3076



85.1949, 0.3240, 0.3223



18.2293, 0.3171, 0.3105



13.3111, 0.3845, 0.1892



1.3119, 0.3758, 0.1844

Inverse Universe

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



85.8736, 0.3169, 0.3115



83.0073, 0.3179, 0.3076



95.4580, 0.3026, 0.3358



18.2293, 0.3171, 0.3105



13.3111, 0.3845, 0.1892



1.3119, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 85.8754, 0.3169, 0.3115 looks on a white background.

Color Contrast Check

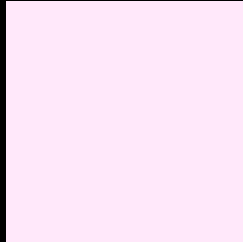
Large Text (above 18pt) WCAG AA × Fail

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 85.8754, 0.3169, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

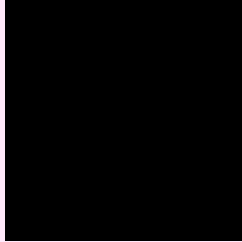
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

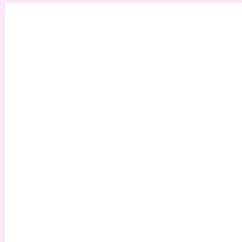
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8754, 0.3169, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 85.8754, 0.3169, 0.3115.



This preview shows how white text looks on a background with the Yxy color 85.8754, 0.3169, 0.3115.

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

85.8754, 0.3169, 0.3115

Protanopia

86.0109, 0.3043, 0.3131

Deuteranopia

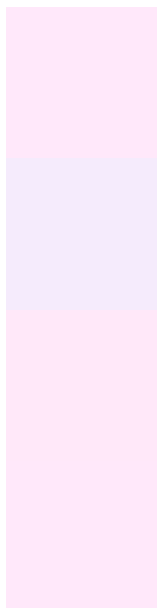
85.8128, 0.3175, 0.3125



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.8754, 0.3169, 0.3115

Protanomaly

85.8574, 0.3089, 0.3122

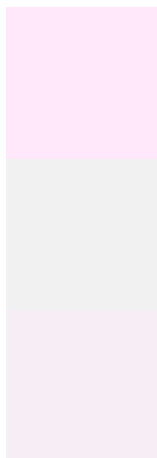
Deuteranomaly

85.8128, 0.3175, 0.3125

Tritanomaly

85.8754, 0.3169, 0.3115

Monochromacy



Original Color

85.8754, 0.3169, 0.3115

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.2736, 0.3143, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8754, 0.3169, 0.3115 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(255, 232, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 250)  
}
```

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(255, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 250) }
```

Border

The CSS property to change the border of an element to Yxy 85.8754, 0.3169, 0.3115 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(255, 232, 250) }
```

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

```
.border{ border-color:rgb(255, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8754, 0.3169, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 250) }
```

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

```
.background{ background-color: rgb(255,  
232, 250) }
```

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