

Converting Colors

Yxy(86.1650, 0.3106, 0.3144)

Have a look what the booklet for
Yxy(86.1650, 0.3106, 0.3144)
contains.

Yxy(85.9116, 0.3108, 0.3142)	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(85.9116, 0.3108, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	F6EBFA
RGB	246, 235, 250
RGB Percent	96%, 92%, 98%
CMY	0.0351, 0.0785, 0.0196
CMYK	0.02, 0.06, 0.00, 0.02
HSL	284°, 60%, 95%
HSV	284°, 6%, 98%
XYZ	84.9819, 85.9116, 102.5361
YIQ	239.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

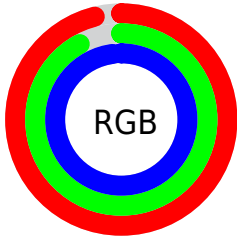
Format	Color
R _Y B	246, 235, 250
Decimal	16182266
CIE Lab	94.27, 6.37, -5.91
CIE LCh	94, 8.685, 317.144
Yxy	85.9116, 0.3108, 0.3142
Android (android.graphics.Color)	4294372346 (0xFFFF6EBFA)
YUV	239.9990, 4.9305, 5.2629
Hunter-Lab	92.6885, 1.4538, -0.7073

Details

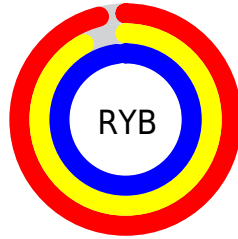
The Yxy color $85.9116, 0.3108, 0.3142$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $92.7000, 0.3145, 0.3440$, and the grayscale version is $87.1034, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $47.0824, 0.3102, 0.3101$ is the 20% darker color. If you saturate the color by 10%, you get $71.4276, 0.3071, 0.2884$, and if you desaturate by 10%, it is $99.2315, 0.3141, 0.3338$.

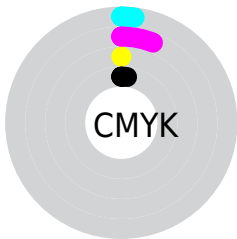
Distribution



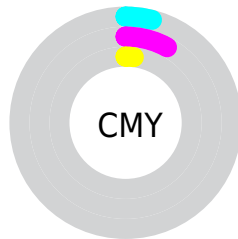
- Red (96%)
- Green (92%)
- Blue (98%)



- Red (96%)
- Yellow (92%)
- Blue (98%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)





- Cyan (4%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.9116, 0.3108, 0.3142 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 85.9116, 0.3108, 0.3142 by changing the saturation by 10% instead.


 85.9116, 0.3108,
0.3142

 85.9116, 0.3108,
0.3142

514.6397, 0.3117,
0.3208

 64.5949, 0.3106,
0.3128

141.6461, 0.3111,
0.3164

 47.1327, 0.3103,
0.3110


176.8327, 0.3112,
0.3173

 33.1405, 0.3100,
0.3088


217.4114, 0.3113,
0.3181

 22.2341, 0.3096,
0.3060

263.7665, 0.3114,
0.3188

 14.0290, 0.3090,
0.3024

316.2825, 0.3115,
0.3194

 8.1409, 0.3082,
0.2973

375.3438, 0.3116,

 4.1852, 0.3069,

0.3199

0.2899

441.3347, 0.3116,
0.3204

■ 1.7777, 0.3047,
0.2779

■ 0.4732, 0.3016,
0.2358

■ 85.9116, 0.3108,
0.3142

■ 85.9116, 0.3108,
0.3142

■ 71.4276, 0.3071,
0.2884

■ 99.2315, 0.3141,
0.3338

■ 58.9095, 0.3026,
0.2615

■ 99.6815, 0.3156,
0.3338

■ 48.2711, 0.2975,
0.2342

■ 39.4157, 0.2916,
0.2075

■ 32.2379, 0.2851,
0.1826

■ 26.6209, 0.2782,
0.1605

■ 22.4326, 0.2710,
0.1423

■ 19.5185, 0.2638,
0.1287

■ 17.6872, 0.2569,
0.1200

Harmonies

Analogous

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



85.9116, 0.3015, 0.3121



85.9116, 0.3108, 0.3142



85.9116, 0.3207, 0.3200

Triad

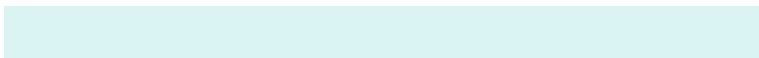
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9116, 0.3108, 0.3142



85.9116, 0.3304, 0.3434



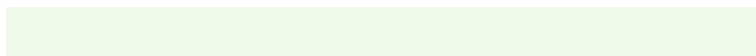
85.9116, 0.2971, 0.3295

Complementary

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



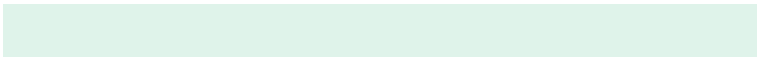
85.9116, 0.3108, 0.3142



92.7000, 0.3145, 0.3440

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.



85.9116, 0.3046, 0.3382



85.9116, 0.3108, 0.3142



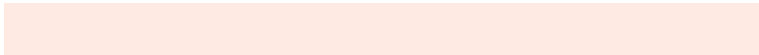
85.9116, 0.3239, 0.3463

Square

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



85.9116, 0.3108, 0.3142



85.9116, 0.3322, 0.3368



85.9116, 0.3144, 0.3444



85.9116, 0.2937, 0.3208

Rectangle

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



85.9116, 0.3108, 0.3142



85.9116, 0.3264, 0.3254



85.9116, 0.3144, 0.3444



85.9116, 0.2992, 0.3325

Sweetspot

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



85.9153, 0.3108, 0.3142



96.5362, 0.3121, 0.3241



86.2892, 0.3035, 0.3179



20.6990, 0.3121, 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.



85.9153, 0.3108, 0.3142



88.2579, 0.3105, 0.3117



86.4171, 0.3156, 0.3177



17.8919, 0.3103, 0.3102



9.1670, 0.2553, 0.1180



0.9003, 0.2634, 0.1225

Inverse Universe

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



85.9607, 0.3203, 0.3251



88.3160, 0.3217, 0.3245



92.2271, 0.3100, 0.3406



17.9051, 0.3225, 0.3241



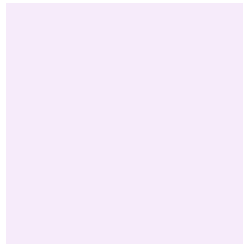
11.0065, 0.5894, 0.3021



1.0360, 0.5560, 0.2837

Previews

White Background



This preview shows how the Yxy color 85.9116, 0.3108, 0.3142 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 85.9116, 0.3108, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

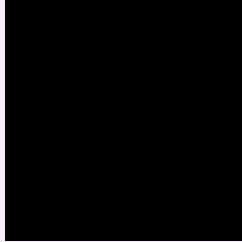
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

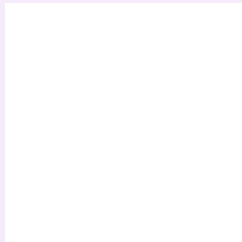
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.9116, 0.3108, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 85.9116, 0.3108, 0.3142.



This preview shows how white text looks on a background with the Yxy color 85.9116, 0.3108, 0.3142.

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

85.9116, 0.3108, 0.3142

Protanopia

85.8841, 0.3055, 0.3150

Deuteranopia

85.8754, 0.3169, 0.3115



Tritanopia

86.2827, 0.3096, 0.3113

Trichromacy



Original Color

85.9116, 0.3108, 0.3142

Protanomaly

85.8332, 0.3075, 0.3141

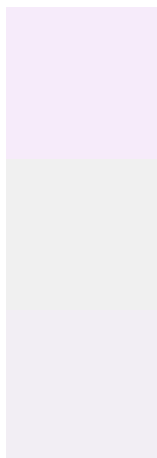
Deuteranomaly

85.8754, 0.3148, 0.3124

Tritanomaly

86.2191, 0.3102, 0.3123

Monochromacy



Original Color

85.9116, 0.3108, 0.3142

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

86.5580, 0.3117, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.9116, 0.3108, 0.3142 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(246, 235, 250)` looks like.

```
.text, #text, p{  
    color:rgb(246, 235, 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(246, 235, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 235, 250) }
```

Border

The CSS property to change the border of an element to Yxy 85.9116, 0.3108, 0.3142 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(246, 235, 250) }
```

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

```
.border{ border-color:rgb(246, 235, 250) }
```

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

Here you see how a box with a 4 pixel rgb(246, 235, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 235, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 235, 250);  
box-shadow:4px 4px 4px 4px rgb(246, 235,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 85.9116, 0.3108, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 235, 250) }
```

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

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