

Converting Colors

$Y_{xy}(85.8109, 0.3175, 0.3125)$

Have a look what the booklet for
Yxy(85.8109, 0.3175, 0.3125)
contains.

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Color

Yxy(85.8128, 0.3175, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8F9
RGB	255, 232, 249
RGB Percent	100%, 91%, 98%
CMY	0.0002, 0.0901, 0.0235
CMYK	0.00, 0.09, 0.02, 0.00
HSL	316°, 100%, 95%
HSV	316°, 9%, 100%
XYZ	87.1858, 85.8128, 101.6024
YIQ	240.8150, 8.2510, 10.1630

Conversions

Conversions Part 2

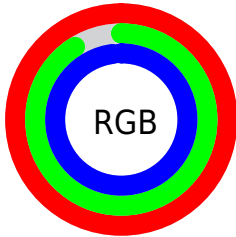
Format	Color
R_{YB}	255, 232, 249
Decimal	16771321
CIE _{Lab}	94.23, 10.68, -5.38
CIE _{LCh}	94, 11.958, 333.244
Yxy	85.8128, 0.3175, 0.3125
Android (android.graphics.Color)	4294961401 (0xFFFFE8F9)
YUV	240.8150, 4.0352, 12.4402
Hunter-Lab	92.6352, 5.8879, -0.1847

Details

The Yxy color **85.8128, 0.3175, 0.3125** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.8240, 0.3083, 0.3461**, and the grayscale version is **87.7724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9067, 0.3181, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **72.0824, 0.3237, 0.2934**, and if you desaturate by 10%, it is **99.9923, 0.3127, 0.3290**.

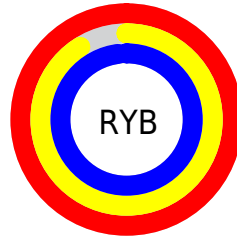
Distribution



Red (100%)

Green (91%)

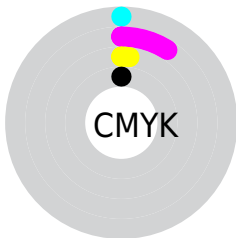
Blue (98%)



Red (100%)

Yellow (91%)

Blue (98%)

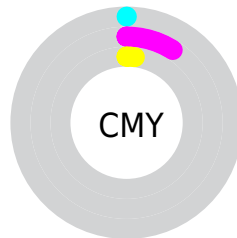


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8128, 0.3175, 0.3125 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 85.8128, 0.3175, 0.3125 by changing the saturation by 10% instead.

 85.8128, 0.3175,
0.3125

 85.8128, 0.3175,
0.3125


514.3137, 0.3154,
0.3198

 64.5132, 0.3180,
0.3109


141.5082, 0.3168,
0.3150

 47.0664, 0.3185,
0.3090


176.6728, 0.3165,
0.3160

 33.0882, 0.3192,
0.3065


217.2279, 0.3163,
0.3168

 22.1940, 0.3200,
0.3035

263.5578, 0.3161,
0.3176

 13.9995, 0.3212,
0.2994

316.0469, 0.3159,
0.3182

 8.1203, 0.3227,
0.2939

375.0797, 0.3157,

 4.1720, 0.3249,

0.3188

0.2857

441.0405, 0.3155,
0.3193

■ 1.7703, 0.3284,
0.2728

■ 0.4685, 0.3425,
0.2273

■ 85.8128, 0.3175,
0.3125

■ 85.8128, 0.3175,
0.3125

■ 72.0824, 0.3237,
0.2934

99.9923, 0.3127,
0.3290

■ 60.3556, 0.3309,
0.2740

■ 50.5402, 0.3390,
0.2550

■ 42.5325, 0.3482,
0.2370

■ 36.2189, 0.3581,
0.2213

■ 31.4728, 0.3686,
0.2088

■ 28.1497, 0.3794,
0.2005

■ 26.0784, 0.3901,
0.1971

■ 25.0064, 0.4004,
0.1983

Harmonies

Analogous

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



85.8128, 0.3038, 0.3067



85.8128, 0.3175, 0.3125



85.8128, 0.3302, 0.3225

Triad

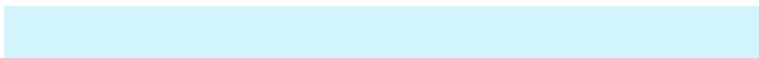
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8128, 0.3175, 0.3125



85.8128, 0.3329, 0.3518



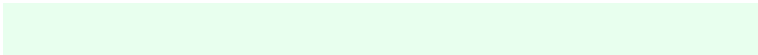
85.8128, 0.2879, 0.3229

Complementary

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



85.8128, 0.3175, 0.3125



94.8240, 0.3083, 0.3461

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.



85.8128, 0.2954, 0.3354



85.8128, 0.3175, 0.3125



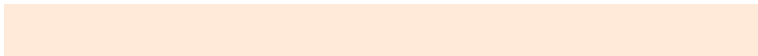
85.8128, 0.3213, 0.3524

Square

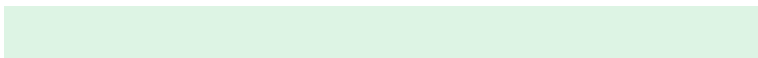
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



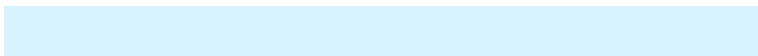
85.8128, 0.3175, 0.3125



85.8128, 0.3392, 0.3450



85.8128, 0.3076, 0.3464



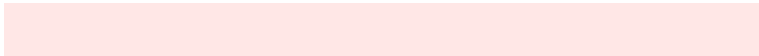
85.8128, 0.2869, 0.3124

Rectangle

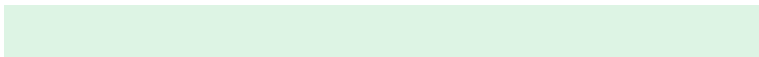
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8128, 0.3175, 0.3125



85.8128, 0.3362, 0.3303



85.8128, 0.3076, 0.3464



85.8128, 0.2897, 0.3270

Sweetspot

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



85.8165, 0.3175, 0.3125



95.0888, 0.3142, 0.3236



83.0756, 0.3024, 0.3061



20.0790, 0.3147, 0.3221



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.



85.8165, 0.3175, 0.3125



82.9315, 0.3187, 0.3087



85.1346, 0.3247, 0.3234



18.2153, 0.3178, 0.3116



13.0527, 0.3998, 0.1976



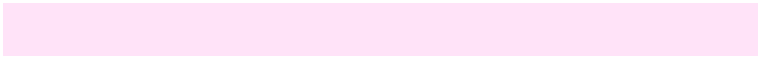
1.2887, 0.3887, 0.1915

Inverse Universe

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



85.8165, 0.3175, 0.3125



82.9315, 0.3187, 0.3087



95.5067, 0.3019, 0.3347



18.2153, 0.3178, 0.3116



13.0527, 0.3998, 0.1976



1.2887, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 85.8128, 0.3175, 0.3125 looks on a white background.

Color Contrast Check

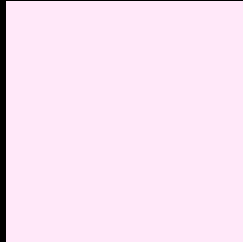
Large Text (above 18pt) WCAG AA × Fail

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 85.8128, 0.3175, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

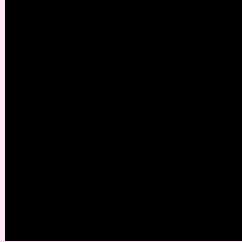
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8128, 0.3175, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 85.8128, 0.3175, 0.3125.

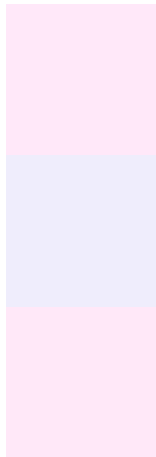


This preview shows how white text looks on a background with the Yxy color 85.8128, 0.3175, 0.3125.

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

85.8128, 0.3175, 0.3125

Protanopia

85.9474, 0.3049, 0.3140

Deuteranopia

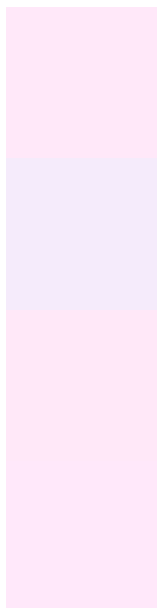
85.7505, 0.3182, 0.3135



Tritanopia

85.8754, 0.3169, 0.3115

Trichromacy



Original Color

85.8128, 0.3175, 0.3125

Protanomaly

85.7942, 0.3095, 0.3132

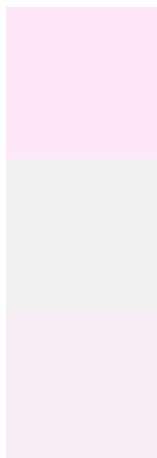
Deuteranomaly

85.7505, 0.3182, 0.3135

Tritanomaly

85.8754, 0.3169, 0.3115

Monochromacy



Original Color

85.8128, 0.3175, 0.3125

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 85.8128, 0.3175, 0.3125 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 249) }
```

Border

The CSS property to change the border of an element to Yxy 85.8128, 0.3175, 0.3125 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, 249) }
```

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

```
.border{ border-color:rgb(255, 232, 249) }
```

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, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8128, 0.3175, 0.3125 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, 249) }
```

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

```
.background{ background-color: rgb(255,  
232, 249) }
```

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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