

Converting Colors

$Yxy(83.5987, 0.3235, 0.3182)$

Have a look what the booklet for
Yxy(83.5987, 0.3235, 0.3182)
contains.

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Color

Yxy(83.5899, 0.3236, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	FFE5F0
RGB	255, 229, 240
RGB Percent	100%, 90%, 94%
CMY	0.0000, 0.1020, 0.0588
CMYK	0.00, 0.10, 0.06, 0.00
HSL	335°, 100%, 95%
HSV	335°, 10%, 100%
XYZ	85.0085, 83.5899, 94.0977
YIQ	238.0280, 11.9650, 8.9330

Conversions

Conversions Part 2

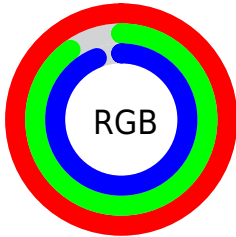
Format	Color
R _Y B	255, 229, 240
Decimal	16770544
CIE Lab	93.27, 10.74, -2.10
CIE LCh	93, 10.942, 348.917
Yxy	83.5899, 0.3236, 0.3182
Android (android.graphics.Color)	4294960624 (0xFFFFE5F0)
YUV	238.0280, 0.9722, 14.8844
Hunter-Lab	91.4275, 5.9695, 2.9776

Details

The Yxy color **83.5899, 0.3236, 0.3182** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.7046, 0.3030, 0.3401**, and the grayscale version is **85.4986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7386, 0.3258, 0.3165** is the 20% darker color. If you saturate the color by 10%, you get **69.6525, 0.3365, 0.3070**, and if you desaturate by 10%, it is **99.6494, 0.3129, 0.3288**.

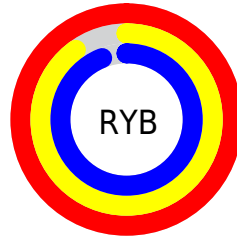
Distribution



Red (100%)

Green (90%)

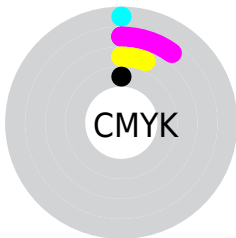
Blue (94%)



Red (100%)

Yellow (90%)

Blue (94%)

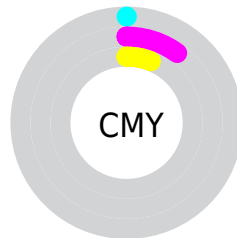


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5899, 0.3236, 0.3182 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 83.5899, 0.3236, 0.3182 by changing the saturation by 10% instead.

 83.5899, 0.3236,
0.3182

 83.5899, 0.3236,
0.3182

506.9504, 0.3187,
0.3230

 62.6769, 0.3247,
0.3171


138.4014, 0.3219,
0.3199

 45.5799, 0.3260,
0.3158


173.0686, 0.3213,
0.3205

 31.9144, 0.3277,
0.3142


213.0894, 0.3207,
0.3211

 21.2961, 0.3298,
0.3121

258.8482, 0.3202,
0.3216

 13.3406, 0.3327,
0.3093

310.7292, 0.3198,
0.3220

 7.6635, 0.3366,
0.3055

369.1170, 0.3194,

 3.8804, 0.3426,

0.3224

0.2997

434.3960, 0.3190,
0.3227

■ 1.6069, 0.3525,
0.2903

■ 0.3622, 0.4016,
0.2399

■ 83.5899, 0.3236,
0.3182

■ 83.5899, 0.3236,
0.3182

■ 69.6525, 0.3365,
0.3070

99.6494, 0.3129,
0.3288

■ 57.7772, 0.3522,
0.2955

100.0000, 0.3127,
0.3290

■ 47.8551, 0.3710,
0.2840

■ 39.7797, 0.3931,
0.2734

■ 33.4343, 0.4186,
0.2647

■ 28.6885, 0.4468,
0.2591

■ 25.3934, 0.4765,
0.2579

■ 23.3714, 0.5059,
0.2620

■ 22.3445, 0.5327,
0.2708

Harmonies

Analogous

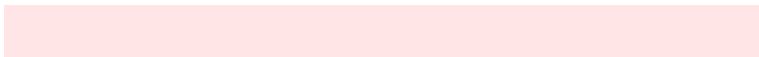
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5899, 0.3110, 0.3106



83.5899, 0.3236, 0.3182



83.5899, 0.3334, 0.3286

Triad

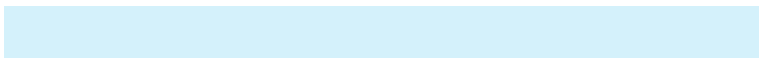
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5899, 0.3236, 0.3182



83.5899, 0.3262, 0.3511



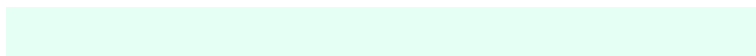
83.5899, 0.2885, 0.3179

Complementary

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



83.5899, 0.3236, 0.3182



94.7046, 0.3030, 0.3401

Split Complementary

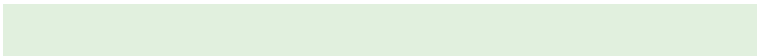
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5899, 0.2924, 0.3289



83.5899, 0.3236, 0.3182



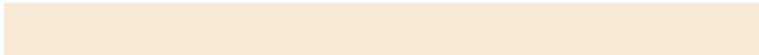
83.5899, 0.3141, 0.3484

Square

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



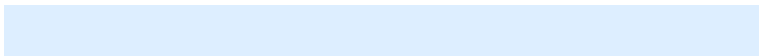
83.5899, 0.3236, 0.3182



83.5899, 0.3349, 0.3477



83.5899, 0.3017, 0.3402



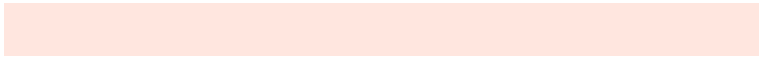
83.5899, 0.2909, 0.3102

Rectangle

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



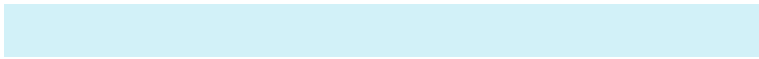
83.5899, 0.3236, 0.3182



83.5899, 0.3369, 0.3359



83.5899, 0.3017, 0.3402



83.5899, 0.2891, 0.3213

Sweetspot

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



83.5793, 0.3235, 0.3182



94.9352, 0.3157, 0.3259



82.4314, 0.3063, 0.3032



20.0375, 0.3165, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

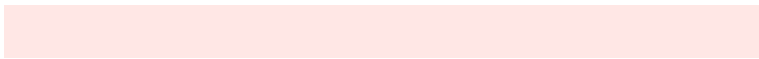
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5793, 0.3235, 0.3182



80.9227, 0.3257, 0.3162



83.9082, 0.3306, 0.3308



18.1149, 0.3227, 0.3190



11.7038, 0.5286, 0.2685



1.1609, 0.4994, 0.2525

Inverse Universe

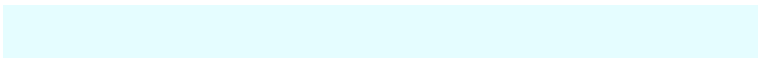
The Inverse Universe completely reimagines the original color for something new.



83.5793, 0.3235, 0.3182



80.9227, 0.3257, 0.3162



94.2929, 0.2969, 0.3272



18.1149, 0.3227, 0.3190



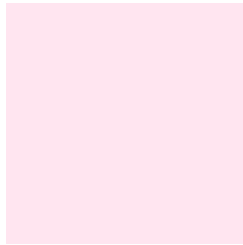
11.7038, 0.5286, 0.2685



1.1609, 0.4994, 0.2525

Previews

White Background



This preview shows how the Yxy color 83.5899, 0.3236, 0.3182 looks on a white background.

Color Contrast Check

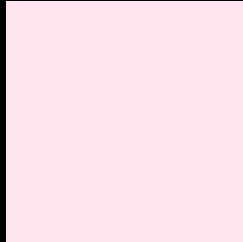
Large Text (above 18pt) WCAG AA × Fail

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 83.5899, 0.3236, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

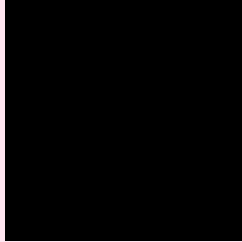
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.5899, 0.3236, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 83.5899, 0.3236, 0.3182.

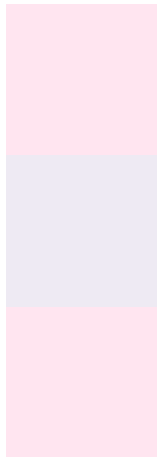


This preview shows how white text looks on a background with the Yxy color 83.5899, 0.3236, 0.3182.

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

83.5899, 0.3236, 0.3182

Protanopia

83.4938, 0.3098, 0.3199

Deuteranopia

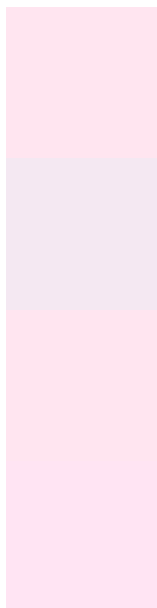
83.5899, 0.3236, 0.3182



Tritanopia

83.3394, 0.3204, 0.3124

Trichromacy



Original Color

83.5899, 0.3236, 0.3182

Protanomaly

83.3571, 0.3145, 0.3190

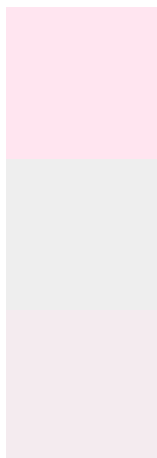
Deuteranomaly

83.5899, 0.3236, 0.3182

Tritanomaly

83.2179, 0.3217, 0.3143

Monochromacy



Original Color

83.5899, 0.3236, 0.3182

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

84.8818, 0.3163, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5899, 0.3236, 0.3182 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, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 240)  
}
```

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, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 240) }
```

Border

The CSS property to change the border of an element to Yxy 83.5899, 0.3236, 0.3182 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, 229, 240) }
```

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

```
.border{ border-color:rgb(255, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5899, 0.3236, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 240) }
```

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

```
.background{ background-color: rgb(255,  
229, 240) }
```

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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