

Converting Colors

$Yxy(83.0309, 0.3019, 0.3113)$

Have a look what the booklet for
Yxy(83.0309, 0.3019, 0.3113)
contains.

Yxy(83.1343, 0.3017, 0.3118)	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(83.1343, 0.3017, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	E9EAFB
RGB	233, 234, 251
RGB Percent	91%, 92%, 98%
CMY	0.0862, 0.0823, 0.0158
CMYK	0.07, 0.07, 0.00, 0.02
HSL	237°, 69%, 95%
HSV	237°, 7%, 98%
XYZ	80.4414, 83.1343, 103.0513
YIQ	235.6390, -6.0530, 5.0750

Conversions

Conversions Part 2

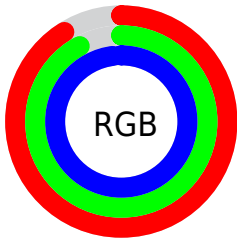
Format	Color
R_{YB}	233, 234, 251
Decimal	15330043
CIE _{Lab}	93.07, 2.81, -8.31
CIE _{LCh}	93, 8.768, 288.683
Yxy	83.1343, 0.3017, 0.3118
Android (android.graphics.Color)	4293520123 (0xFFE9EAFB)
YUV	235.6390, 7.5730, -2.3144
Hunter-Lab	91.1780, -2.0807, -3.1862

Details

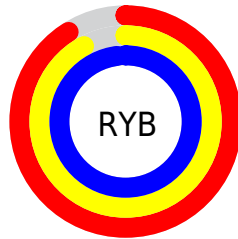
The Yxy color **83.1343, 0.3017, 0.3118** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **94.7574, 0.3234, 0.3456**, and the grayscale version is **83.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0829, 0.2993, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **66.5910, 0.2846, 0.2849**, and if you desaturate by 10%, it is **99.7434, 0.3150, 0.3328**.

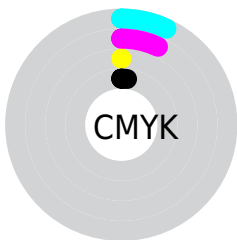
Distribution



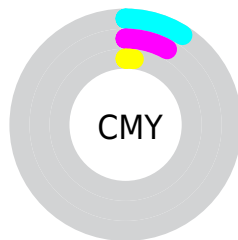
- Red (91%)
- Green (92%)
- Blue (98%)



- Red (91%)
- Yellow (92%)
- Blue (98%)



- Cyan (7%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1343, 0.3017, 0.3118 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 83.1343, 0.3017, 0.3118 by changing the saturation by 10% instead.

83.1343, 0.3017,
0.3118

83.1343, 0.3017,
0.3118

505.4340, 0.3067,
0.3195

62.3009, 0.3006,
0.3101

137.7635, 0.3034,
0.3144

45.2759, 0.2992,
0.3080

172.3282, 0.3041,
0.3155

31.6748, 0.2975,
0.3054

212.2388, 0.3047,
0.3164

21.1132, 0.2953,
0.3021

257.8797, 0.3052,
0.3172

13.2068, 0.2924,
0.2976

309.6352, 0.3056,
0.3179

7.5711, 0.2882,
0.2915

367.8899, 0.3060,

3.8218, 0.2820,

0.3185

0.2823

433.0280, 0.3064,
0.3190

■ 1.5744, 0.2716,
0.2673

■ 0.3402, 0.2328,
0.2021

■ 83.1343, 0.3017,
0.3118

■ 83.1343, 0.3017,
0.3118

■ 66.5910, 0.2846,
0.2849

99.7434, 0.3150,
0.3328

■ 52.3576, 0.2657,
0.2549

■ 40.3346, 0.2452,
0.2222

■ 30.4110, 0.2240,
0.1879

■ 22.4662, 0.2032,
0.1537

■ 16.3675, 0.1842,
0.1220

■ 11.9658, 0.1686,
0.0953

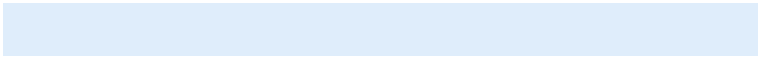
■ 9.0888, 0.1576,
0.0757

■ 7.5257, 0.1517,
0.0643

Harmonies

Analogous

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



83.1343, 0.2951, 0.3140



83.1343, 0.3017, 0.3118



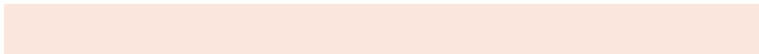
83.1343, 0.3113, 0.3141

Triad

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



83.1343, 0.3017, 0.3118



83.1343, 0.3326, 0.3373



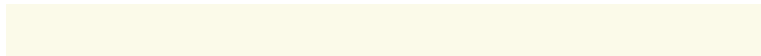
83.1343, 0.3040, 0.3380

Complementary

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



83.1343, 0.3017, 0.3118



94.7574, 0.3234, 0.3456

Split Complementary

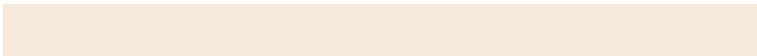
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1343, 0.3139, 0.3445



83.1343, 0.3017, 0.3118



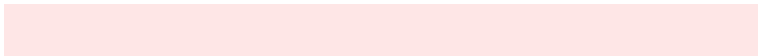
83.1343, 0.3305, 0.3440

Square

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



83.1343, 0.3017, 0.3118



83.1343, 0.3292, 0.3287



83.1343, 0.3237, 0.3467



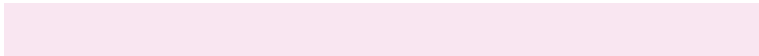
83.1343, 0.2964, 0.3290

Rectangle

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



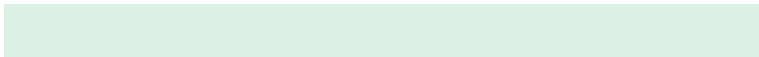
83.1343, 0.3017, 0.3118



83.1343, 0.3181, 0.3179



83.1343, 0.3237, 0.3467



83.1343, 0.3071, 0.3406

Sweetspot

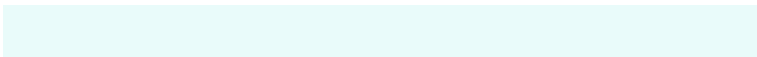
The Sweet Spot groups the original color and five complimentary colors.



83.1378, 0.3017, 0.3118



96.0075, 0.3097, 0.3244



93.1942, 0.3023, 0.3302



20.5914, 0.3099, 0.3246



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.



83.1378, 0.3017, 0.3118



82.8331, 0.2987, 0.3071



83.9202, 0.3068, 0.3111



16.7948, 0.2979, 0.3058



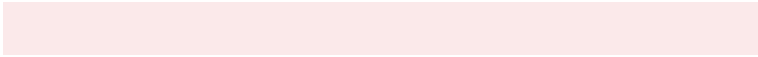
3.8845, 0.1509, 0.0633



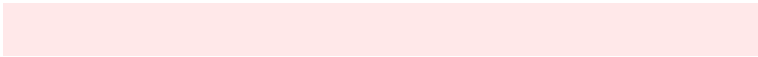
0.4115, 0.1532, 0.0713

Inverse Universe

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



84.7360, 0.3243, 0.3281



84.9018, 0.3277, 0.3278



93.9525, 0.3183, 0.3468



17.2406, 0.3286, 0.3277



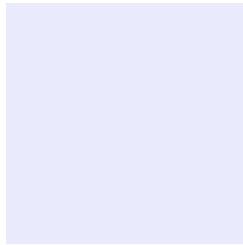
10.8030, 0.6345, 0.3269



1.0058, 0.6211, 0.3195

Previews

White Background



This preview shows how the Yxy color 83.1343, 0.3017, 0.3118 looks on a white background.

Color Contrast Check

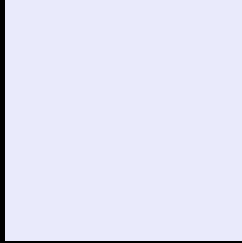
Large Text (above 18pt) WCAG AA × Fail

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 83.1343, 0.3017, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

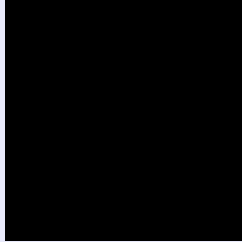
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

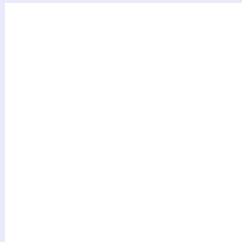
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1343, 0.3017, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 83.1343, 0.3017, 0.3118.



This preview shows how white text looks on a background with the Yxy color 83.1343, 0.3017, 0.3118.

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

83.1343, 0.3017, 0.3118

Protanopia

83.4728, 0.3030, 0.3118

Deuteranopia

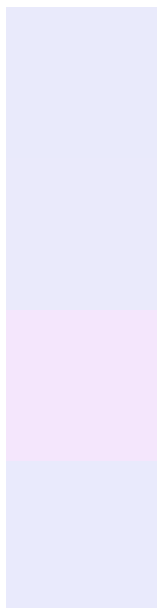
82.8391, 0.3125, 0.3055



Tritanopia

83.1976, 0.3011, 0.3108

Trichromacy



Original Color

83.1343, 0.3017, 0.3118

Protanomaly

83.3031, 0.3023, 0.3118

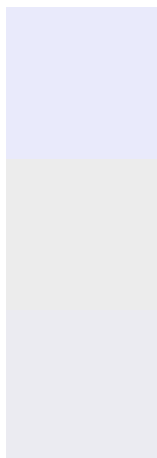
Deuteranomaly

82.8550, 0.3084, 0.3072

Tritanomaly

83.1976, 0.3011, 0.3108

Monochromacy



Original Color

83.1343, 0.3017, 0.3118

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4297, 0.3090, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1343, 0.3017, 0.3118 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(233, 234, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 251)  
}
```

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(233, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 251) }
```

Border

The CSS property to change the border of an element to Yxy 83.1343, 0.3017, 0.3118 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(233, 234, 251) }
```

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

```
.border{ border-color:rgb(233, 234, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1343, 0.3017, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 251) }
```

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

```
.background{ background-color: rgb(233,  
234, 251) }
```

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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