

Converting Colors

$Yxy(83.0797, 0.3117, 0.3345)$

Have a look what the booklet for
Yxy(83.0797, 0.3117, 0.3345)
contains.

Yxy(83.1609, 0.3118, 0.3352)	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(83.1609, 0.3118, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	E6EDE7
RGB	230, 237, 231
RGB Percent	90%, 93%, 91%
CMY	0.0978, 0.0706, 0.0941
CMYK	0.03, 0.00, 0.03, 0.07
HSL	128°, 16%, 92%
HSV	128°, 3%, 93%
XYZ	77.3555, 83.1609, 87.5770
YIQ	234.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

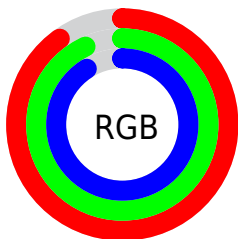
Format	Color
RYB	230, 236, 237
Decimal	15134183
CIELab	93.08, -3.37, 2.08
CIELCh	93, 3.959, 148.302
Yxy	83.1609, 0.3118, 0.3352
Android (android.graphics.Color)	4293324263 (0xFFE6EDE7)
YUV	234.2230, -1.5889, -3.7036
Hunter-Lab	91.1926, -8.1717, 6.8956

Details

The Yxy color **83.1609, 0.3118, 0.3352** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.6891, 0.3136, 0.3229**, and the grayscale version is **82.4792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2569, 0.3123, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **78.4148, 0.3086, 0.3583**, and if you desaturate by 10%, it is **88.5826, 0.3149, 0.3150**.

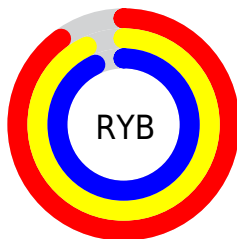
Distribution



Red (90%)

Green (93%)

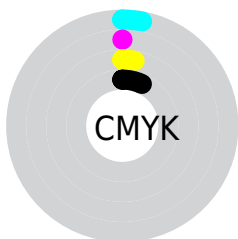
Blue (91%)



Red (90%)

Yellow (93%)

Blue (93%)

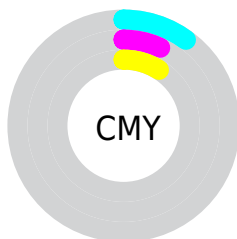


Cyan (3%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (10%)


Magenta (7%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1609, 0.3118, 0.3352 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 83.1609, 0.3118, 0.3352 by changing the saturation by 10% instead.

 83.1609, 0.3118,
0.3352

 83.1609, 0.3118,
0.3352


505.5226, 0.3122,
0.3324

 62.3229, 0.3117,
0.3358


137.8008, 0.3119,
0.3342

 45.2937, 0.3116,
0.3366


172.3715, 0.3120,
0.3339

 31.6888, 0.3114,
0.3376


212.2885, 0.3121,
0.3335

 21.1239, 0.3112,
0.3388

257.9363, 0.3121,
0.3332

 13.2146, 0.3110,
0.3405

309.6992, 0.3121,
0.3330

 7.5765, 0.3106,
0.3429

367.9616, 0.3122,

 3.8252, 0.3100,

0.3328

433.1079, 0.3122,
0.3326

0.3465

■ 1.5763, 0.3090,
0.3528

■ 0.3415, 0.2991,
0.4215

■ 83.1609, 0.3118,
0.3352

■ 83.1609, 0.3118,
0.3352

■ 78.4148, 0.3086,
0.3583

■ 88.5826, 0.3149,
0.3150

■ 74.3076, 0.3054,
0.3844

■ 89.0416, 0.3135,
0.3117

■ 70.8151, 0.3022,
0.4133

■ 67.9076, 0.2993,
0.4443

■ 65.5530, 0.2970,
0.4766

■ 63.7157, 0.2954,
0.5085

■ 62.3564, 0.2947,
0.5380

■ 61.4298, 0.2950,
0.5629

■ 60.8817, 0.2963,
0.5816

Harmonies

Analogous

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



83.1609, 0.3164, 0.3369



83.1609, 0.3118, 0.3352



83.1609, 0.3075, 0.3318

Triad

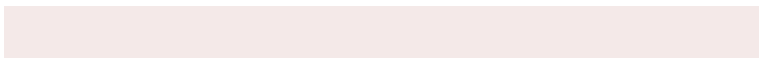
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1609, 0.3118, 0.3352



83.1609, 0.3055, 0.3217



83.1609, 0.3209, 0.3302

Complementary

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



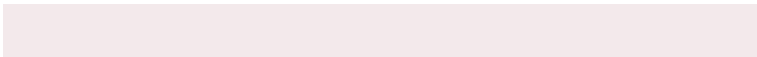
83.1609, 0.3118, 0.3352



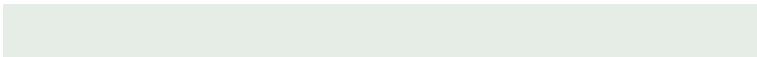
80.6891, 0.3136, 0.3229

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.



83.1609, 0.3179, 0.3262



83.1609, 0.3118, 0.3352



83.1609, 0.3091, 0.3213

Square

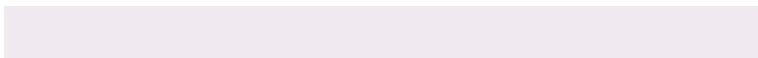
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



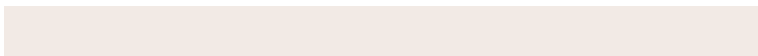
83.1609, 0.3118, 0.3352



83.1609, 0.3039, 0.3240



83.1609, 0.3136, 0.3230



83.1609, 0.3216, 0.3339

Rectangle

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



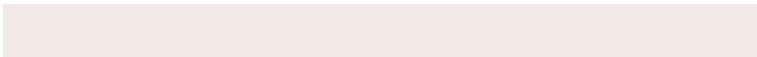
83.1609, 0.3118, 0.3352



83.1609, 0.3054, 0.3291



83.1609, 0.3136, 0.3230



83.1609, 0.3201, 0.3289

Sweetspot

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



83.1645, 0.3118, 0.3352



99.3785, 0.3124, 0.3311



84.1222, 0.3164, 0.3361



21.2776, 0.3124, 0.3310



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

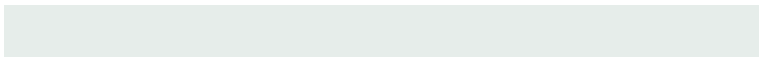
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1645, 0.3118, 0.3352



97.5618, 0.3115, 0.3376



83.3611, 0.3097, 0.3316



17.3754, 0.3112, 0.3392



33.1366, 0.2970, 0.5890



2.6126, 0.2913, 0.5687

Inverse Universe

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



80.6891, 0.3136, 0.3229



93.5749, 0.3140, 0.3206



80.4907, 0.3158, 0.3264



16.5394, 0.3142, 0.3190



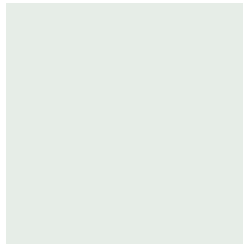
12.2448, 0.3585, 0.1748



0.9713, 0.3525, 0.1715

Previews

White Background



This preview shows how the Yxy color 83.1609, 0.3118, 0.3352 looks on a white background.

Color Contrast Check

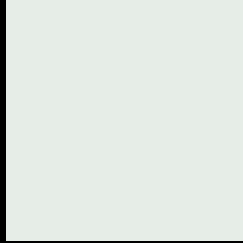
Large Text (above 18pt) WCAG AA × Fail

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 83.1609, 0.3118, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

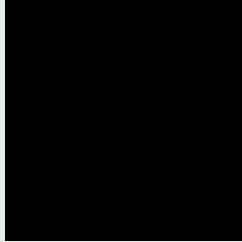
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

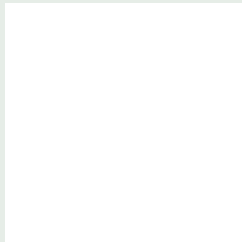
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1609, 0.3118, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 83.1609, 0.3118, 0.3352.

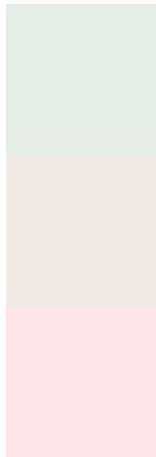


This preview shows how white text looks on a background with the Yxy color 83.1609, 0.3118, 0.3352.

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

83.1609, 0.3118, 0.3352

Protanopia

83.0280, 0.3199, 0.3341

Deuteranopia

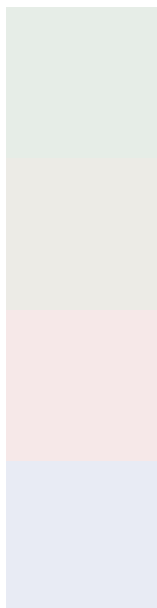
83.1818, 0.3282, 0.3251



Tritanopia

83.1976, 0.3011, 0.3108

Trichromacy



Original Color

83.1609, 0.3118, 0.3352

Protanomaly

82.9627, 0.3165, 0.3341

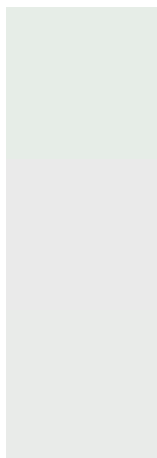
Deuteranomaly

83.1323, 0.3223, 0.3290

Tritanomaly

83.1041, 0.3052, 0.3198

Monochromacy



Original Color

83.1609, 0.3118, 0.3352

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6235, 0.3126, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1609, 0.3118, 0.3352 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(230, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(230, 237, 231)  
}
```

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(230, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 237, 231) }
```

Border

The CSS property to change the border of an element to Yxy 83.1609, 0.3118, 0.3352 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(230, 237, 231) }
```

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

```
.border{ border-color:rgb(230, 237, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 237, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(230, 237,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1609, 0.3118, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 237, 231) }
```

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

```
.background{ background-color: rgb(230,  
237, 231) }
```

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