

Converting Colors

$Yxy(82.5082, 0.3009, 0.3137)$

Have a look what the booklet for
Yxy(82.5082, 0.3009, 0.3137)
contains.

Yxy(82.5082, 0.3009, 0.3137)	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(82.5082, 0.3009, 0.3137)

Conversions

Conversions Part 1

Format	Color
Hex	E6EAF9
RGB	230, 234, 249
RGB Percent	90%, 92%, 98%
CMY	0.0982, 0.0823, 0.0236
CMYK	0.08, 0.06, 0.00, 0.02
HSL	227°, 61%, 94%
HSV	227°, 8%, 98%
XYZ	79.1416, 82.5082, 101.3665
YIQ	234.5140, -7.1990, 3.8170

Conversions

Conversions Part 2

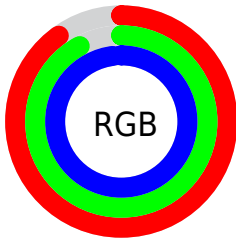
Format	Color
R _{YB}	230, 233, 249
Decimal	15133433
CIE Lab	92.80, 1.43, -7.70
CIE LCh	93, 7.835, 280.522
Yxy	82.5082, 0.3009, 0.3137
Android (android.graphics.Color)	4293323513 (0xFFE6EAF9)
YUV	234.5140, 7.1416, -3.9588
Hunter-Lab	90.8340, -3.4366, -2.5810

Details

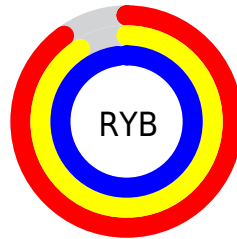
The Yxy color **82.5082, 0.3009, 0.3137** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.1051, 0.3245, 0.3439**, and the grayscale version is **82.6350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6897, 0.2976, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **68.1434, 0.2841, 0.2914**, and if you desaturate by 10%, it is **98.7002, 0.3162, 0.3334**.

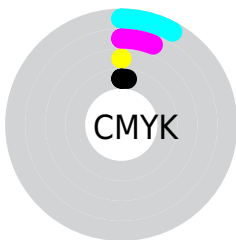
Distribution



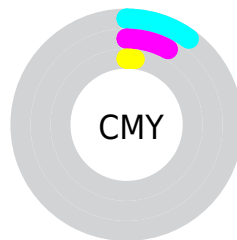
- Red (90%)
- Green (92%)
- Blue (98%)



- Red (90%)
- Yellow (91%)
- Blue (98%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (10%)
- Magenta (8%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5082, 0.3009, 0.3137 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 82.5082, 0.3009, 0.3137 by changing the saturation by 10% instead.

82.5082, 0.3009,
0.3137

82.5082, 0.3009,
0.3137

503.3460, 0.3063,
0.3206

61.7845, 0.2997,
0.3122

136.8864, 0.3027,
0.3161

44.8586, 0.2982,
0.3103

171.3098, 0.3035,
0.3170

31.3461, 0.2964,
0.3079

211.0685, 0.3041,
0.3178

20.8625, 0.2941,
0.3049

256.5469, 0.3046,
0.3185

13.0235, 0.2909,
0.3009

308.1295, 0.3051,
0.3191

7.4448, 0.2865,
0.2953

366.2006, 0.3055,

3.7418, 0.2798,

0.3197

0.2869

431.1447, 0.3059,
0.3202

■ 1.5302, 0.2686,
0.2731

■ 0.3098, 0.2174,
0.2045

■ 82.5082, 0.3009,
0.3137

■ 82.5082, 0.3009,
0.3137

■ 68.1434, 0.2841,
0.2914

■ 98.7002, 0.3162,
0.3334

■ 55.5306, 0.2661,
0.2665

■ 99.6188, 0.3162,
0.3347

■ 44.6046, 0.2470,
0.2392

■ 35.2924, 0.2275,
0.2102

■ 27.5152, 0.2084,
0.1804

■ 21.1875, 0.1908,
0.1511

■ 16.2146, 0.1758,
0.1240

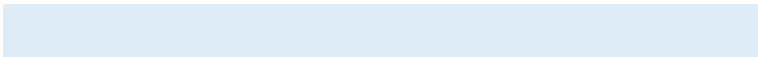
■ 12.4900, 0.1643,
0.1009

■ 9.8846, 0.1568,
0.0830

Harmonies

Analogous

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



82.5082, 0.2960, 0.3167



82.5082, 0.3009, 0.3137



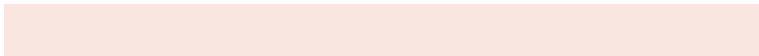
82.5082, 0.3090, 0.3147

Triad

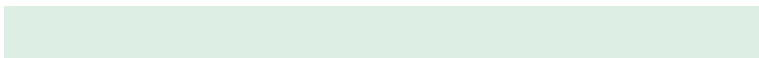
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5082, 0.3009, 0.3137



82.5082, 0.3302, 0.3345



82.5082, 0.3072, 0.3390

Complementary

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



82.5082, 0.3009, 0.3137



91.1051, 0.3245, 0.3439

Split Complementary

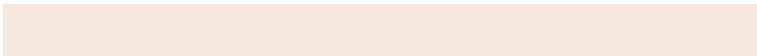
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5082, 0.3163, 0.3439



82.5082, 0.3009, 0.3137



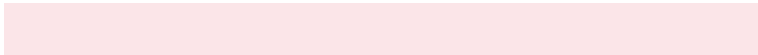
82.5082, 0.3297, 0.3411

Square

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



82.5082, 0.3009, 0.3137



82.5082, 0.3259, 0.3266



82.5082, 0.3245, 0.3446



82.5082, 0.2996, 0.3313

Rectangle

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



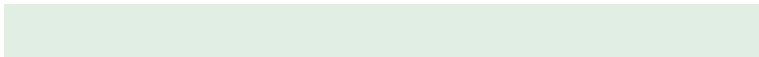
82.5082, 0.3009, 0.3137



82.5082, 0.3151, 0.3175



82.5082, 0.3245, 0.3446



82.5082, 0.3102, 0.3410

Sweetspot

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



82.5117, 0.3009, 0.3137



96.5136, 0.3097, 0.3251



91.1439, 0.3032, 0.3331



20.6945, 0.3099, 0.3253



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.



82.5117, 0.3009, 0.3137



84.9261, 0.2987, 0.3108



81.1276, 0.3045, 0.3097



17.2441, 0.2979, 0.3098



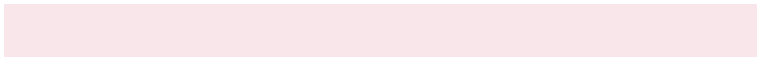
5.2007, 0.1561, 0.0818



0.6289, 0.1618, 0.1025

Inverse Universe

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



82.6469, 0.3232, 0.3250



85.1131, 0.3253, 0.3242



92.6157, 0.3206, 0.3480



17.2859, 0.3260, 0.3240



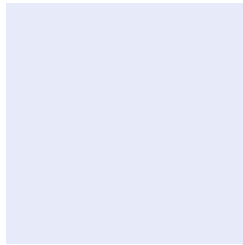
10.9359, 0.6041, 0.3101



1.0277, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 82.5082, 0.3009, 0.3137 looks on a white background.

Color Contrast Check

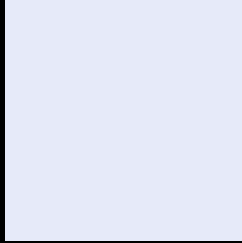
Large Text (above 18pt) WCAG AA × Fail

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 82.5082, 0.3009, 0.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

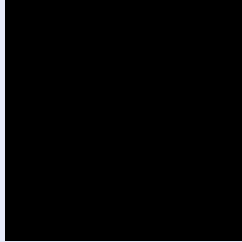
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

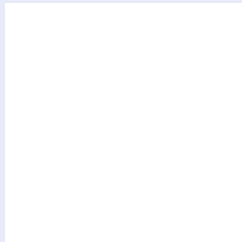
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5082, 0.3009, 0.3137

Background



This preview shows how black text looks on a background with the Yxy color 82.5082, 0.3009, 0.3137.



This preview shows how white text looks on a background with the Yxy color 82.5082, 0.3009, 0.3137.

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

82.5082, 0.3009, 0.3137

Protanopia

82.5476, 0.3041, 0.3138

Deuteranopia

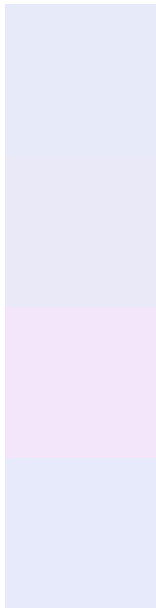
82.1643, 0.3138, 0.3064



Tritanopia

82.6969, 0.2991, 0.3107

Trichromacy



Original Color

82.5082, 0.3009, 0.3137

Protanomaly

82.3788, 0.3035, 0.3137

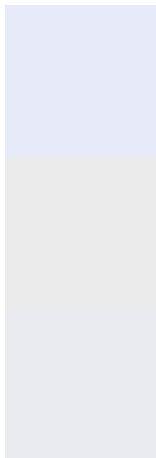
Deuteranomaly

82.5504, 0.3089, 0.3091

Tritanomaly

82.6337, 0.2997, 0.3117

Monochromacy



Original Color

82.5082, 0.3009, 0.3137

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0316, 0.3083, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5082, 0.3009, 0.3137 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, 234, 249)` looks like.

```
.text, #text, p{  
    color:rgb(230, 234, 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(230, 234, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 234, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.5082, 0.3009, 0.3137 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, 234, 249) }
```

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

```
.border{ border-color:rgb(230, 234, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 234, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 234, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 234, 249);  
box-shadow:4px 4px 4px 4px rgb(230, 234,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5082, 0.3009, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 234, 249) }
```

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

```
.background{ background-color: rgb(230,  
234, 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](#).

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