

Converting Colors

$Y_{xy}(81.5969, 0.3015, 0.3210)$

Have a look what the booklet for
Yxy(81.5969, 0.3015, 0.3210)
contains.

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Color

Yxy(81.8350, 0.3019, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E1EBF2
RGB	225, 235, 242
RGB Percent	88%, 92%, 95%
CMY	0.1174, 0.0785, 0.0510
CMYK	0.07, 0.03, 0.00, 0.05
HSL	205°, 39%, 92%
HSV	205°, 7%, 95%
XYZ	76.7982, 81.8350, 95.7497
YIQ	232.8080, -8.2070, 0.0570

Conversions

Conversions Part 2

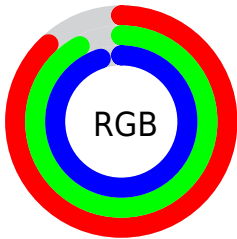
Format	Color
R _Y B	225, 231, 242
Decimal	14806002
CIE Lab	92.50, -1.98, -4.54
CIE LCh	93, 4.952, 246.440
Yxy	81.8350, 0.3019, 0.3217
Android (android.graphics.Color)	4292996082 (0xFFE1EBF2)
YUV	232.8080, 4.5317, -6.8476
Hunter-Lab	90.4627, -6.7723, 0.5687

Details

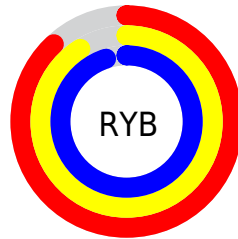
The Yxy color **81.8350, 0.3019, 0.3217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0634, 0.3240, 0.3362**, and the grayscale version is **81.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3314, 0.2996, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **72.6497, 0.2861, 0.3103**, and if you desaturate by 10%, it is **91.9009, 0.3173, 0.3320**.

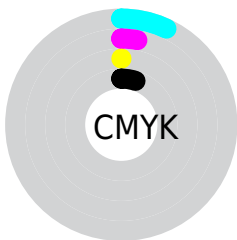
Distribution



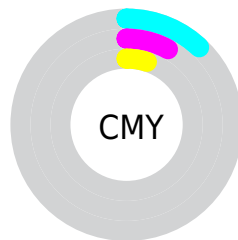
- Red (88%)
- Green (92%)
- Blue (95%)



- Red (88%)
- Yellow (91%)
- Blue (95%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (12%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8350, 0.3019, 0.3217 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 81.8350, 0.3019, 0.3217 by changing the saturation by 10% instead.

81.8350, 0.3019,
0.3217

81.8350, 0.3019,
0.3217

501.0956, 0.3068,
0.3250

61.2295, 0.3008,
0.3210

135.9426, 0.3036,
0.3228

44.4104, 0.2995,
0.3200

170.2135, 0.3042,
0.3233

30.9933, 0.2978,
0.3189

209.8084, 0.3048,
0.3237

20.5938, 0.2956,
0.3174

255.1116, 0.3053,
0.3240

12.8274, 0.2928,
0.3154

306.5075, 0.3057,
0.3243

7.3098, 0.2887,
0.3125

364.3805, 0.3061,

3.6566, 0.2826,

0.3246

0.3082

429.1151, 0.3065,
0.3248

■ 1.4834, 0.2723,
0.3008

■ 0.2770, 0.1935,
0.2493

■ 81.8350, 0.3019,
0.3217

■ 81.8350, 0.3019,
0.3217

■ 72.6497, 0.2861,
0.3103

■ 91.9009, 0.3173,
0.3320

■ 64.3062, 0.2702,
0.2977

■ 99.1907, 0.3203,
0.3415

■ 56.7781, 0.2545,
0.2840

■ 50.0329, 0.2393,
0.2693

■ 44.0361, 0.2252,
0.2537

■ 38.7495, 0.2125,
0.2377

■ 34.1304, 0.2016,
0.2214

■ 30.1296, 0.1929,
0.2053

■ 26.6858, 0.1865,
0.1897

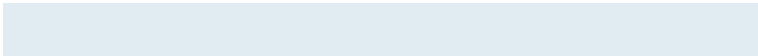
Harmonies

Analogous

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



81.8350, 0.3020, 0.3260



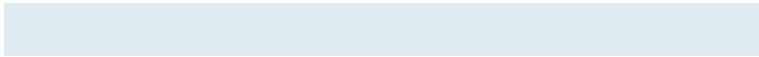
81.8350, 0.3019, 0.3217



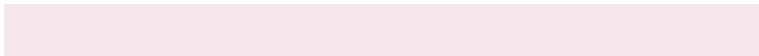
81.8350, 0.3047, 0.3194

Triad

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



81.8350, 0.3019, 0.3217



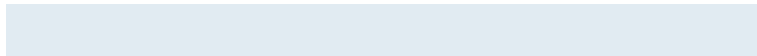
81.8350, 0.3205, 0.3268



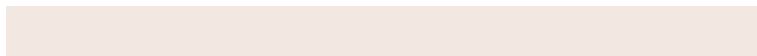
81.8350, 0.3158, 0.3386

Complementary

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



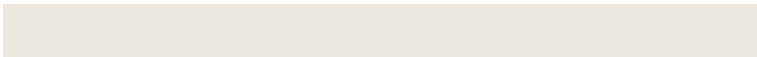
81.8350, 0.3019, 0.3217



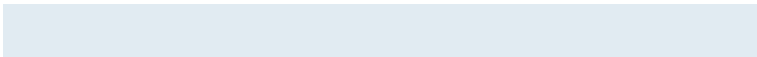
82.0634, 0.3240, 0.3362

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.



81.8350, 0.3208, 0.3387



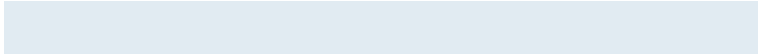
81.8350, 0.3019, 0.3217



81.8350, 0.3236, 0.3319

Square

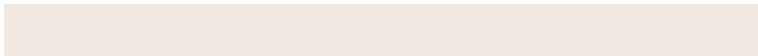
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



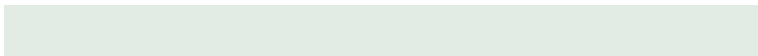
81.8350, 0.3019, 0.3217



81.8350, 0.3154, 0.3224



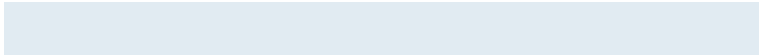
81.8350, 0.3237, 0.3362



81.8350, 0.3100, 0.3358

Rectangle

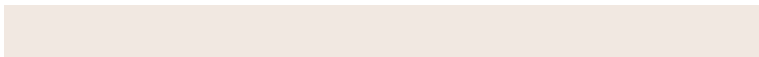
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8350, 0.3019, 0.3217



81.8350, 0.3078, 0.3193



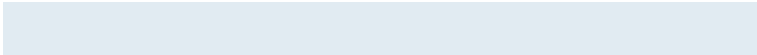
81.8350, 0.3237, 0.3362



81.8350, 0.3176, 0.3389

Sweetspot

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



81.8385, 0.3019, 0.3217



97.7073, 0.3096, 0.3270



85.3360, 0.3078, 0.3396



20.9375, 0.3098, 0.3271



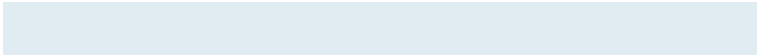
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.8385, 0.3019, 0.3217



91.0694, 0.3003, 0.3206



77.2273, 0.3020, 0.3130



16.7694, 0.2980, 0.3190



14.1010, 0.1855, 0.1876



1.3687, 0.1911, 0.2081

Inverse Universe

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



78.7540, 0.3181, 0.3189



87.1364, 0.3189, 0.3174



86.8152, 0.3233, 0.3445



15.9144, 0.3201, 0.3152



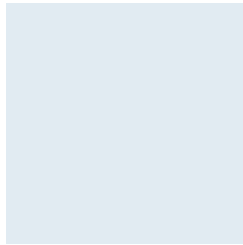
11.2169, 0.4595, 0.2305



0.9529, 0.4362, 0.2177

Previews

White Background



This preview shows how the Yxy color 81.8350, 0.3019, 0.3217 looks on a white background.

Color Contrast Check

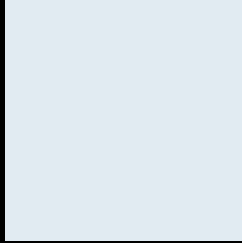
Large Text (above 18pt) WCAG AA × Fail

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 81.8350, 0.3019, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

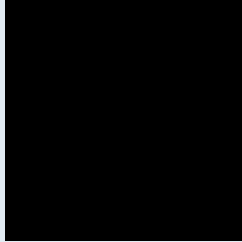
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

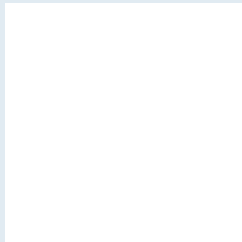
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8350, 0.3019, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 81.8350, 0.3019, 0.3217.

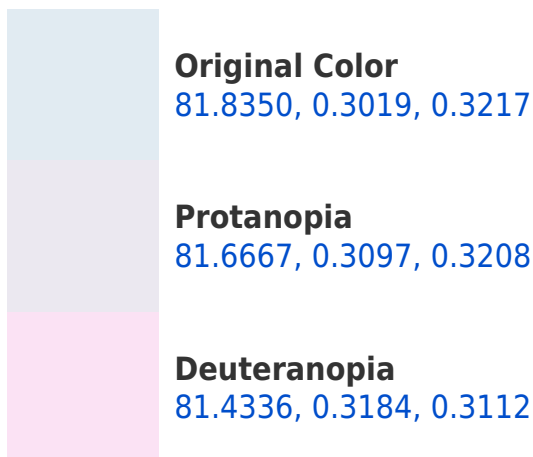


This preview shows how white text looks on a background with the Yxy color 81.8350, 0.3019, 0.3217.

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

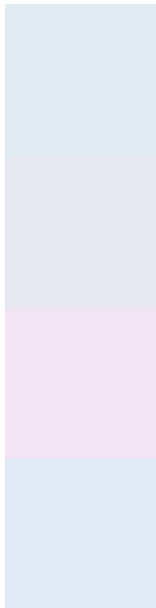




Tritanopia

81.6370, 0.2972, 0.3095

Trichromacy



Original Color

81.8350, 0.3019, 0.3217

Protanomaly

81.6176, 0.3064, 0.3208

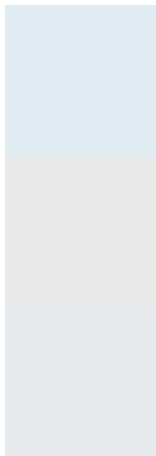
Deuteranomaly

81.3869, 0.3127, 0.3149

Tritanomaly

81.7917, 0.2989, 0.3146

Monochromacy



Original Color

81.8350, 0.3019, 0.3217

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7248, 0.3088, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8350, 0.3019, 0.3217 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(225, 235, 242)` looks like.

```
.text, #text, p{  
    color:rgb(225, 235, 242)  
}
```

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(225, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 235, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.8350, 0.3019, 0.3217 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(225, 235, 242) }
```

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

```
.border{ border-color:rgb(225, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(225, 235,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8350, 0.3019, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 235, 242) }
```

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

```
.background{ background-color: rgb(225,  
235, 242) }
```

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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