

Converting Colors

Yxy(81.6580, 0.3013, 0.3203)

Have a look what the booklet for
Yxy(81.6580, 0.3013, 0.3203)
contains.

Yxy(81.8953, 0.3013, 0.3207)	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(81.8953, 0.3013, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	E1EBF3
RGB	225, 235, 243
RGB Percent	88%, 92%, 95%
CMY	0.1175, 0.0784, 0.0471
CMYK	0.07, 0.03, 0.00, 0.05
HSL	207°, 43%, 92%
HSV	207°, 7%, 95%
XYZ	76.9412, 81.8953, 96.5277
YIQ	232.9220, -8.5280, 0.3680

Conversions

Conversions Part 2

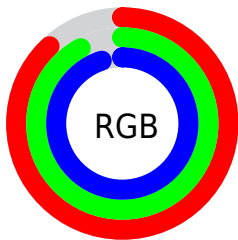
Format	Color
R _Y B	225, 231, 243
Decimal	14806003
CIE Lab	92.53, -1.81, -5.01
CIE LCh	93, 5.326, 250.186
Yxy	81.8953, 0.3013, 0.3207
Android (android.graphics.Color)	4292996083 (0xFFE1EBF3)
YUV	232.9220, 4.9685, -6.9476
Hunter-Lab	90.4960, -6.6043, 0.1055

Details

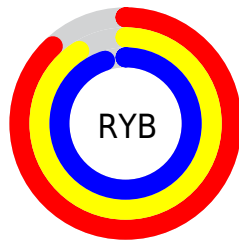
The Yxy color **81.8953, 0.3013, 0.3207** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7720, 0.3246, 0.3372**, and the grayscale version is **81.3950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3741, 0.2989, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **72.2681, 0.2854, 0.3084**, and if you desaturate by 10%, it is **92.4607, 0.3167, 0.3318**.

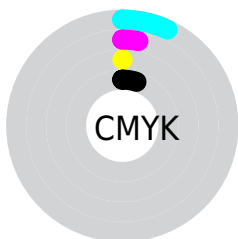
Distribution



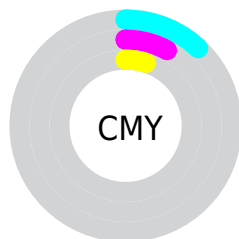
- Red (88%)
- Green (92%)
- Blue (95%)



- 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 81.8953, 0.3013, 0.3207 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 81.8953, 0.3013, 0.3207 by changing the saturation by 10% instead.

81.8953, 0.3013,
0.3207

81.8953, 0.3013,
0.3207

501.2974, 0.3065,
0.3245

61.2792, 0.3001,
0.3199

136.0272, 0.3031,
0.3220

44.4506, 0.2987,
0.3188

170.3118, 0.3038,
0.3225

31.0249, 0.2970,
0.3175

209.9213, 0.3044,
0.3229

20.6178, 0.2947,
0.3158

255.2402, 0.3049,
0.3233

12.8449, 0.2917,
0.3135

306.6529, 0.3054,
0.3237

7.3218, 0.2874,
0.3103

364.5437, 0.3058,

3.6642, 0.2809,

0.3240

0.3054

429.2971, 0.3061,
0.3242

■ 1.4875, 0.2701,
0.2971

■ 0.2799, 0.1919,
0.2419

■ 81.8953, 0.3013,
0.3207

■ 81.8953, 0.3013,
0.3207

■ 72.2681, 0.2854,
0.3084

■ 92.4607, 0.3167,
0.3318

■ 63.5388, 0.2694,
0.2947

■ 99.2498, 0.3197,
0.3405

■ 55.6790, 0.2534,
0.2799

■ 48.6549, 0.2379,
0.2639

■ 42.4296, 0.2233,
0.2471

■ 36.9630, 0.2102,
0.2297

■ 32.2103, 0.1990,
0.2122

■ 28.1198, 0.1900,
0.1949

■ 24.6259, 0.1832,
0.1783

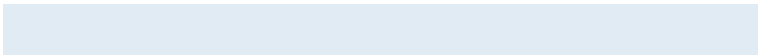
Harmonies

Analogous

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



81.8953, 0.3010, 0.3251



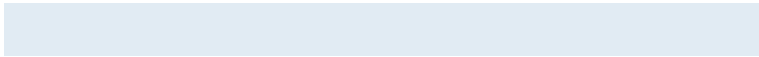
81.8953, 0.3013, 0.3207



81.8953, 0.3046, 0.3186

Triad

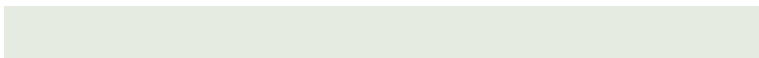
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8953, 0.3013, 0.3207



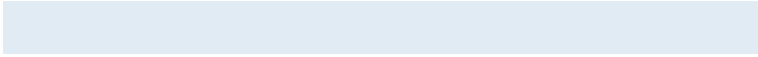
81.8953, 0.3217, 0.3273



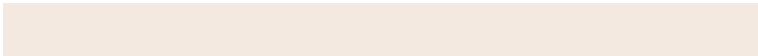
81.8953, 0.3153, 0.3391

Complementary

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



81.8953, 0.3013, 0.3207



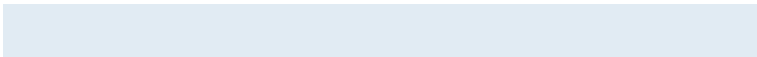
82.7720, 0.3246, 0.3372

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.



81.8953, 0.3208, 0.3396



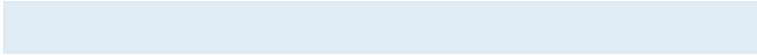
81.8953, 0.3013, 0.3207



81.8953, 0.3246, 0.3327

Square

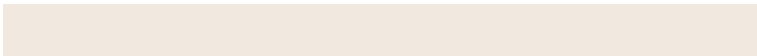
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



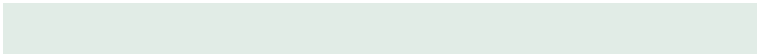
81.8953, 0.3013, 0.3207



81.8953, 0.3164, 0.3224



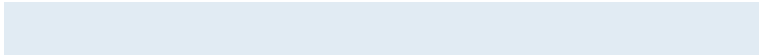
81.8953, 0.3243, 0.3372



81.8953, 0.3090, 0.3358

Rectangle

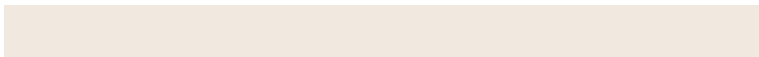
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8953, 0.3013, 0.3207



81.8953, 0.3081, 0.3187



81.8953, 0.3243, 0.3372



81.8953, 0.3173, 0.3396

Sweetspot

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



81.8988, 0.3013, 0.3207



97.6075, 0.3096, 0.3268



85.9729, 0.3072, 0.3395



20.9172, 0.3098, 0.3269



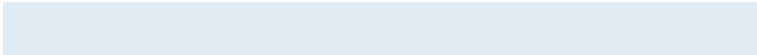
0.0000, 0.0000, 0.0000



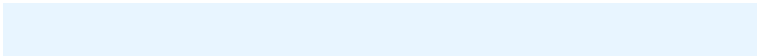
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8988, 0.3013, 0.3207



89.5665, 0.2987, 0.3188



76.9988, 0.3013, 0.3115



17.4533, 0.2980, 0.3182



13.3311, 0.1824, 0.1766



1.3765, 0.1882, 0.1973

Inverse Universe

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



78.9161, 0.3188, 0.3189



85.5816, 0.3202, 0.3166



87.8632, 0.3238, 0.3459



16.6366, 0.3206, 0.3159



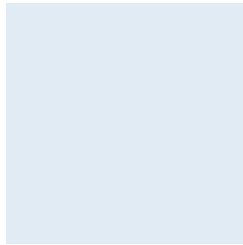
11.4451, 0.4726, 0.2377



1.0266, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 81.8953, 0.3013, 0.3207 looks on a white background.

Color Contrast Check

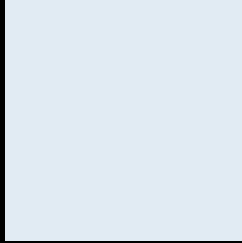
Large Text (above 18pt) WCAG AA × Fail

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 81.8953, 0.3013, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

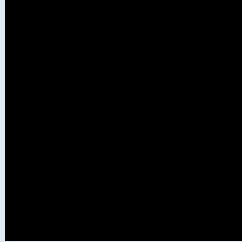
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

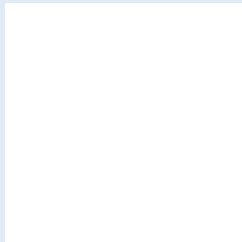
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8953, 0.3013, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 81.8953, 0.3013, 0.3207.

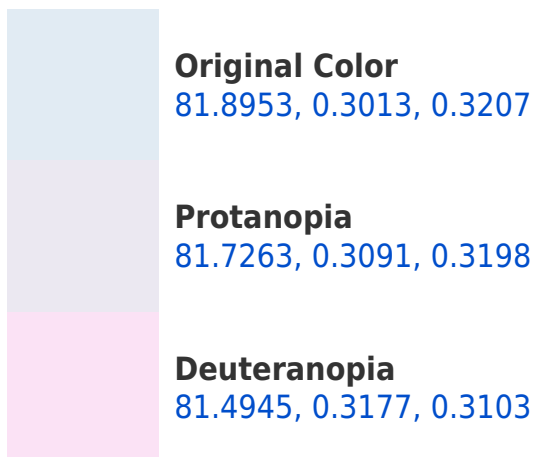


This preview shows how white text looks on a background with the Yxy color 81.8953, 0.3013, 0.3207.

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

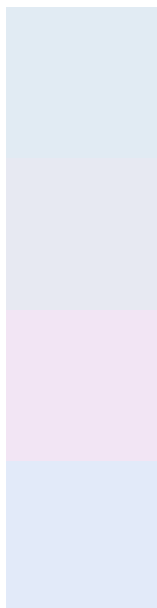




Tritanopia

82.2048, 0.2972, 0.3106

Trichromacy



Original Color

81.8953, 0.3013, 0.3207

Protanomaly

81.6776, 0.3058, 0.3197

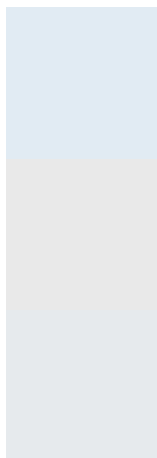
Deuteranomaly

81.4475, 0.3121, 0.3139

Tritanomaly

81.8539, 0.2983, 0.3135

Monochromacy



Original Color

81.8953, 0.3013, 0.3207

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7831, 0.3082, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8953, 0.3013, 0.3207 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(225, 235, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 235, 243) }
```

Border

The CSS property to change the border of an element to Yxy 81.8953, 0.3013, 0.3207 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, 243) }
```

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

```
.border{ border-color:rgb(225, 235, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 235, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 235, 243);  
box-shadow:4px 4px 4px 4px rgb(225, 235,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8953, 0.3013, 0.3207 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, 243) }
```

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

```
.background{ background-color: rgb(225,  
235, 243) }
```

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