

Converting Colors

Yxy(82.1047, 0.3021, 0.3146)

Have a look what the booklet for
Yxy(82.1047, 0.3021, 0.3146)
contains.

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Color

Yxy(81.8162, 0.3021, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	E6E9F7
RGB	230, 233, 247
RGB Percent	90%, 91%, 97%
CMY	0.0980, 0.0863, 0.0312
CMYK	0.07, 0.06, 0.00, 0.03
HSL	229°, 52%, 94%
HSV	229°, 7%, 97%
XYZ	78.5654, 81.8162, 99.6826
YIQ	233.6990, -6.2820, 3.7180

Conversions

Conversions Part 2

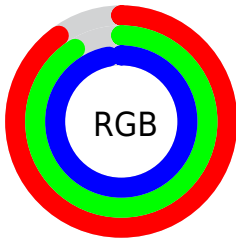
Format	Color
R _Y B	230, 233, 247
Decimal	15133175
CIE Lab	92.49, 1.60, -7.14
CIE LCh	92, 7.319, 282.637
Yxy	81.8162, 0.3021, 0.3146
Android (android.graphics.Color)	4293323255 (0xFFE6E9F7)
YUV	233.6990, 6.5574, -3.2440
Hunter-Lab	90.4523, -3.2494, -2.0237

Details

The Yxy color **81.8162, 0.3021, 0.3146** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2234, 0.3232, 0.3430**, and the grayscale version is **81.9967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2045, 0.2991, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **67.1505, 0.2854, 0.2914**, and if you desaturate by 10%, it is **98.3973, 0.3172, 0.3351**.

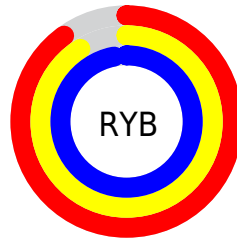
Distribution



Red (90%)

Green (91%)

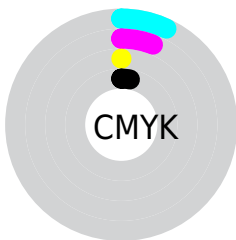
Blue (97%)



Red (90%)

Yellow (91%)

Blue (97%)

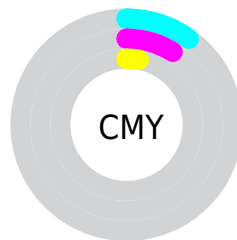


Cyan (7%)

Magenta (6%)

Yellow (0%)

Black (3%)



Cyan (10%)

Magenta (9%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8162, 0.3021, 0.3146 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 81.8162, 0.3021, 0.3146 by changing the saturation by 10% instead.

81.8162, 0.3021,
0.3146

81.8162, 0.3021,
0.3146

501.0327, 0.3069,
0.3211

61.2140, 0.3010,
0.3132

135.9162, 0.3038,
0.3168

44.3979, 0.2997,
0.3114

170.1829, 0.3044,
0.3177

30.9835, 0.2980,
0.3092

209.7732, 0.3050,
0.3185

20.5863, 0.2959,
0.3063

255.0714, 0.3055,
0.3191

12.8219, 0.2930,
0.3025

306.4622, 0.3059,
0.3197

7.3060, 0.2890,
0.2972

364.3297, 0.3063,

3.6542, 0.2829,

0.3202

0.2892

429.0584, 0.3066,
0.3207

■ 1.4821, 0.2726,
0.2759

■ 0.2761, 0.2189,
0.2004

■ 81.8162, 0.3021,
0.3146

■ 81.8162, 0.3021,
0.3146

■ 67.1505, 0.2854,
0.2914

■ 98.3973, 0.3172,
0.3351

■ 54.3205, 0.2672,
0.2655

■ 99.4982, 0.3173,
0.3366

■ 43.2564, 0.2478,
0.2370

■ 33.8798, 0.2279,
0.2068

■ 26.1062, 0.2084,
0.1758

■ 19.8437, 0.1903,
0.1456

■ 14.9907, 0.1748,
0.1181

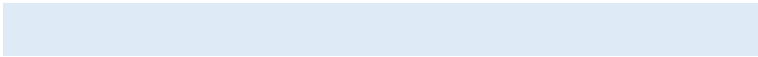
■ 11.4324, 0.1630,
0.0951

■ 9.0329, 0.1555,
0.0779

Harmonies

Analogous

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



81.8162, 0.2973, 0.3172



81.8162, 0.3021, 0.3146



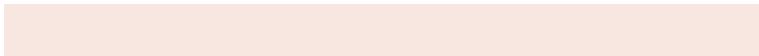
81.8162, 0.3098, 0.3158

Triad

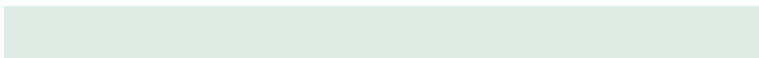
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8162, 0.3021, 0.3146



81.8162, 0.3292, 0.3346



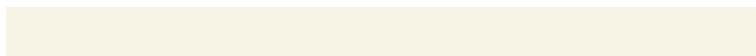
81.8162, 0.3070, 0.3379

Complementary

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



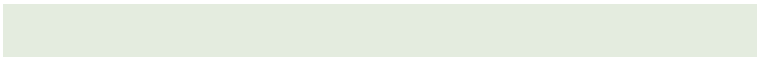
81.8162, 0.3021, 0.3146



90.2234, 0.3232, 0.3430

Split Complementary

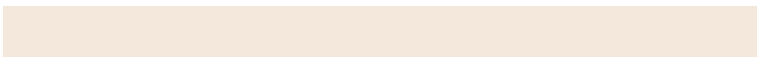
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8162, 0.3155, 0.3427



81.8162, 0.3021, 0.3146



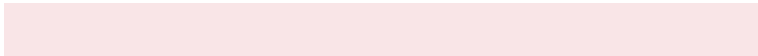
81.8162, 0.3284, 0.3407

Square

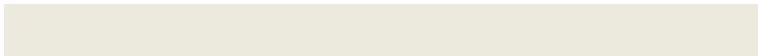
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8162, 0.3021, 0.3146



81.8162, 0.3255, 0.3272



81.8162, 0.3233, 0.3437



81.8162, 0.3001, 0.3306

Rectangle

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



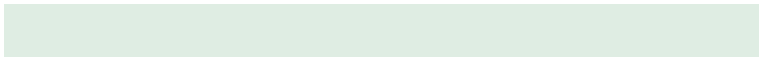
81.8162, 0.3021, 0.3146



81.8162, 0.3156, 0.3185



81.8162, 0.3233, 0.3437



81.8162, 0.3097, 0.3398

Sweetspot

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



81.8197, 0.3021, 0.3146



96.3938, 0.3097, 0.3250



89.8992, 0.3038, 0.3321



20.6701, 0.3099, 0.3252



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.



81.8197, 0.3021, 0.3146



86.0753, 0.3003, 0.3122



81.0415, 0.3057, 0.3117



16.3984, 0.2979, 0.3089



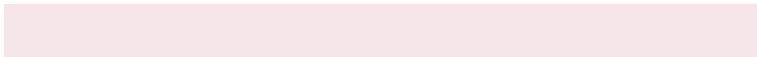
4.6271, 0.1544, 0.0759



0.5364, 0.1601, 0.0962

Inverse Universe

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



82.2591, 0.3225, 0.3260



86.6322, 0.3242, 0.3255



91.0775, 0.3194, 0.3461



16.5301, 0.3266, 0.3249



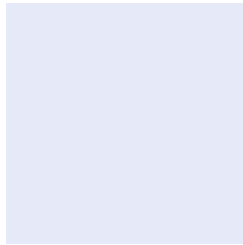
10.5665, 0.6136, 0.3154



0.9418, 0.5816, 0.2978

Previews

White Background



This preview shows how the Yxy color 81.8162, 0.3021, 0.3146 looks on a white background.

Color Contrast Check

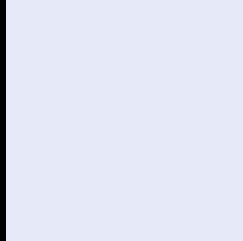
Large Text (above 18pt) WCAG AA × Fail

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 81.8162, 0.3021, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

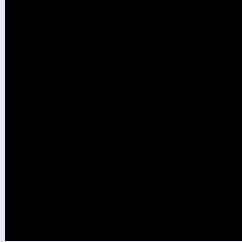
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

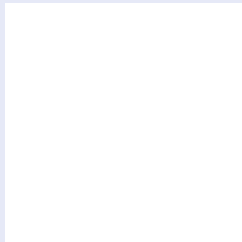
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8162, 0.3021, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 81.8162, 0.3021, 0.3146.

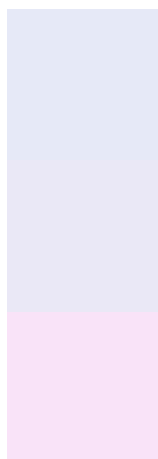


This preview shows how white text looks on a background with the Yxy color 81.8162, 0.3021, 0.3146.

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

81.8162, 0.3021, 0.3146

Protanopia

81.8595, 0.3054, 0.3147

Deuteranopia

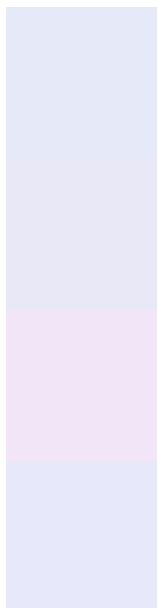
81.8552, 0.3144, 0.3083



Tritanopia

81.6672, 0.3004, 0.3096

Trichromacy



Original Color

81.8162, 0.3021, 0.3146

Protanomaly

81.6907, 0.3047, 0.3147

Deuteranomaly

81.6932, 0.3095, 0.3100

Tritanomaly

81.6043, 0.3010, 0.3106

Monochromacy



Original Color

81.8162, 0.3021, 0.3146

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4013, 0.3090, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8162, 0.3021, 0.3146 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, 233, 247)` looks like.

```
.text, #text, p{  
    color:rgb(230, 233, 247)  
}
```

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, 233, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 233, 247) }
```

Border

The CSS property to change the border of an element to Yxy 81.8162, 0.3021, 0.3146 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, 233, 247) }
```

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

```
.border{ border-color:rgb(230, 233, 247) }
```

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

Here you see how a box with a 4 pixel rgb(230, 233, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 233, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 233, 247);  
box-shadow:4px 4px 4px 4px rgb(230, 233,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8162, 0.3021, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 233, 247) }
```

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

```
.background{ background-color: rgb(230,  
233, 247) }
```

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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