

Converting Colors

$Yxy(79.8515, 0.2982, 0.3137)$

Have a look what the booklet for
Yxy(79.8515, 0.2982, 0.3137)
contains.

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Color

Yxy(80.0550, 0.2982, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	DFE8F6
RGB	223, 232, 246
RGB Percent	87%, 91%, 96%
CMY	0.1254, 0.0902, 0.0353
CMYK	0.09, 0.06, 0.00, 0.04
HSL	217°, 56%, 92%
HSV	217°, 9%, 96%
XYZ	75.9300, 80.0550, 98.6428
YIQ	230.9050, -9.8580, 2.4460

Conversions

Conversions Part 2

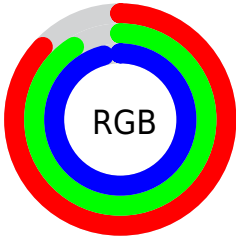
Format	Color
R _Y B	223, 229, 246
Decimal	14674166
CIE Lab	91.71, -0.33, -7.82
CIE LCh	92, 7.823, 267.617
Yxy	80.0550, 0.2982, 0.3144
Android (android.graphics.Color)	4292864246 (0xFFDFE8F6)
YUV	230.9050, 7.4418, -6.9327
Hunter-Lab	89.4735, -5.0978, -2.7347

Details

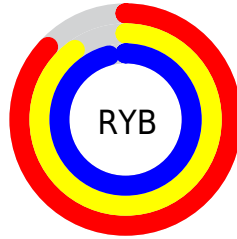
The Yxy color **80.0550, 0.2982, 0.3144** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5162, 0.3276, 0.3432**, and the grayscale version is **79.7914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0932, 0.2949, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **68.3415, 0.2818, 0.2969**, and if you desaturate by 10%, it is **93.0640, 0.3137, 0.3300**.

Distribution



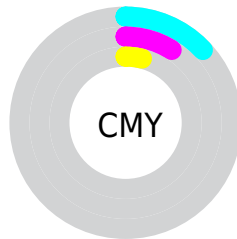
- Red (87%)
- Green (91%)
- Blue (96%)



- Red (87%)
- Yellow (90%)
- Blue (96%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (4%)



- Cyan (13%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0550, 0.2982, 0.3144 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 80.0550, 0.2982, 0.3144 by changing the saturation by 10% instead.

80.0550, 0.2982,
0.3144

80.0550, 0.2982,
0.3144

495.1182, 0.3048,
0.3210

59.7636, 0.2967,
0.3129

133.4431, 0.3005,
0.3167

43.2281, 0.2949,
0.3111

167.3085, 0.3014,
0.3176

30.0642, 0.2926,
0.3088

206.4675, 0.3021,
0.3183

19.8873, 0.2897,
0.3058

251.3043, 0.3028,
0.3190

12.3131, 0.2858,
0.3019

302.2034, 0.3034,
0.3196

6.9573, 0.2802,
0.2962

359.5491, 0.3039,

3.4354, 0.2718,

0.3201

0.2877

423.7259, 0.3044,
0.3206

■ 1.3631, 0.2577,
0.2734

■ 0.1893, 0.1544,
0.1699

■ 80.0550, 0.2982,
0.3144

■ 80.0550, 0.2982,
0.3144

■ 68.3415, 0.2818,
0.2969

■ 93.0640, 0.3137,
0.3300

■ 57.8710, 0.2646,
0.2776

■ 99.4342, 0.3179,
0.3376

■ 48.6021, 0.2471,
0.2564

■ 40.4871, 0.2297,
0.2338

■ 33.4746, 0.2131,
0.2101

■ 27.5089, 0.1980,
0.1862

■ 22.5279, 0.1850,
0.1629

■ 18.4610, 0.1747,
0.1411

■ 15.2102, 0.1672,
0.1215

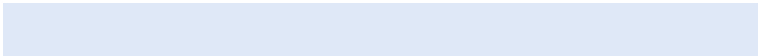
Harmonies

Analogous

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



80.0550, 0.2951, 0.3191



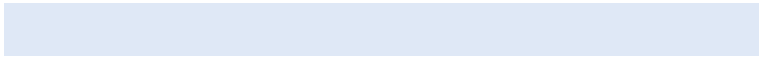
80.0550, 0.2982, 0.3144



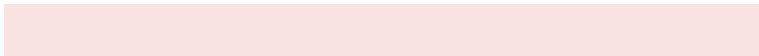
80.0550, 0.3052, 0.3136

Triad

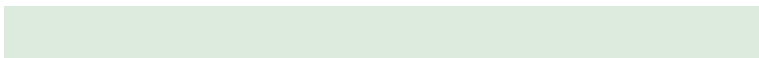
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0550, 0.2982, 0.3144



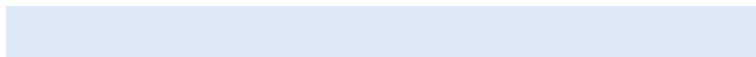
80.0550, 0.3290, 0.3311



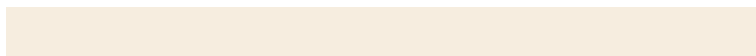
80.0550, 0.3110, 0.3416

Complementary

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



80.0550, 0.2982, 0.3144



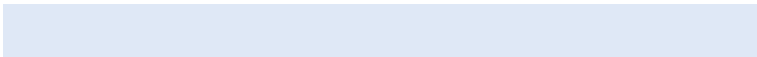
85.5162, 0.3276, 0.3432

Split Complementary

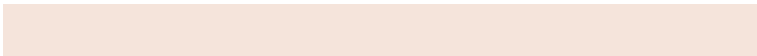
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0550, 0.3202, 0.3449



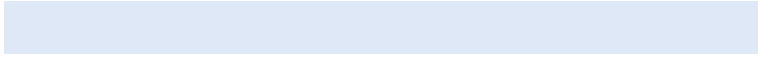
80.0550, 0.2982, 0.3144



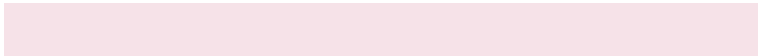
80.0550, 0.3306, 0.3386

Square

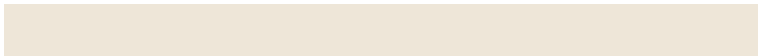
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0550, 0.2982, 0.3144



80.0550, 0.3230, 0.3232



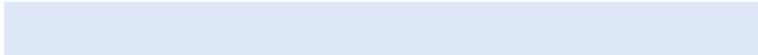
80.0550, 0.3274, 0.3437



80.0550, 0.3025, 0.3349

Rectangle

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



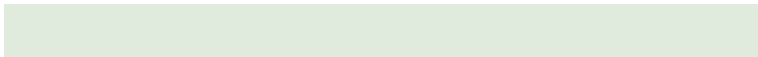
80.0550, 0.2982, 0.3144



80.0550, 0.3111, 0.3154



80.0550, 0.3274, 0.3437



80.0550, 0.3141, 0.3432

Sweetspot

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



80.0584, 0.2982, 0.3144



95.6374, 0.3081, 0.3245



87.7122, 0.3035, 0.3385



20.2254, 0.3069, 0.3232



0.0000, 0.0000, 0.0000



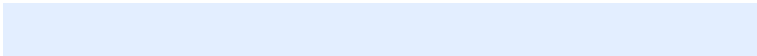
21.4041, 0.3127, 0.3290

Same Dimension

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



80.0584, 0.2982, 0.3144



84.6305, 0.2955, 0.3116



75.5072, 0.2997, 0.3050



16.9872, 0.2980, 0.3142



8.2685, 0.1676, 0.1233



0.9204, 0.1745, 0.1481

Inverse Universe

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



78.2124, 0.3230, 0.3199



82.3377, 0.3251, 0.3183



90.4259, 0.3251, 0.3521



16.5896, 0.3232, 0.3198



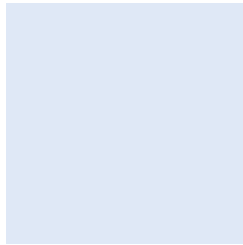
10.9341, 0.5419, 0.2759



0.9805, 0.5084, 0.2574

Previews

White Background



This preview shows how the Yxy color 80.0550, 0.2982, 0.3144 looks on a white background.

Color Contrast Check

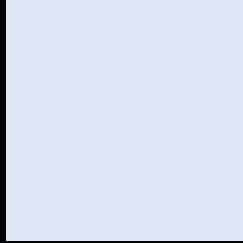
Large Text (above 18pt) WCAG AA × Fail

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 80.0550, 0.2982, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

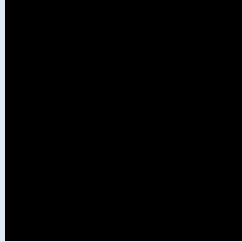
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

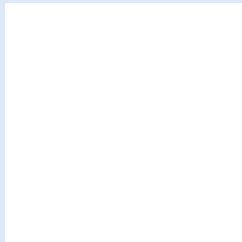
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0550, 0.2982, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 80.0550, 0.2982, 0.3144.

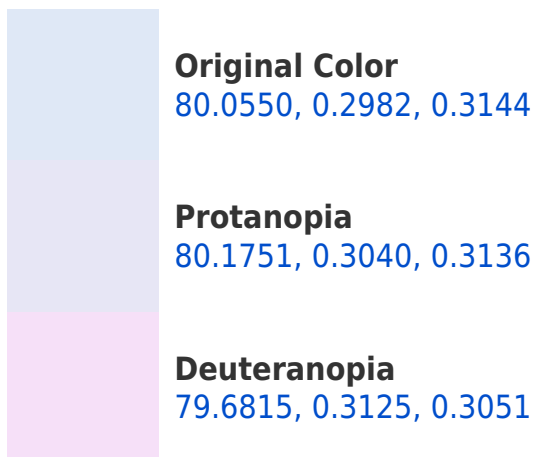


This preview shows how white text looks on a background with the Yxy color 80.0550, 0.2982, 0.3144.

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

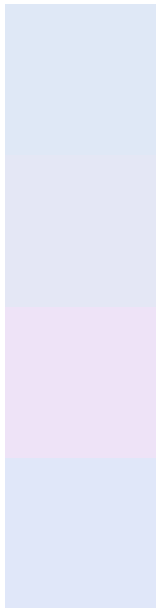




Tritanopia

79.9012, 0.2964, 0.3093

Trichromacy



Original Color

80.0550, 0.2982, 0.3144

Protanomaly

80.2384, 0.3020, 0.3145

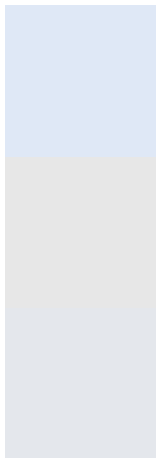
Deuteranomaly

79.8307, 0.3075, 0.3087

Tritanomaly

79.8387, 0.2970, 0.3103

Monochromacy



Original Color

80.0550, 0.2982, 0.3144

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.7019, 0.3076, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0550, 0.2982, 0.3144 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(223, 232, 246)` looks like.

```
.text, #text, p{  
    color:rgb(223, 232, 246)  
}
```

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(223, 232, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 232, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.0550, 0.2982, 0.3144 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(223, 232, 246) }
```

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

```
.border{ border-color:rgb(223, 232, 246) }
```

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

Here you see how a box with a 4 pixel rgb(223, 232, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 232, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 232, 246);  
box-shadow:4px 4px 4px 4px rgb(223, 232,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0550, 0.2982, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 232, 246) }
```

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

```
.background{ background-color: rgb(223,  
232, 246) }
```

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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