

Converting Colors

Yxy(80.5648, 0.2948, 0.3202)

Have a look what the booklet for
Yxy(80.5648, 0.2948, 0.3202)
contains.

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Color

Yxy(80.3954, 0.2943, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	D7EBF4
RGB	215, 235, 244
RGB Percent	84%, 92%, 96%
CMY	0.1569, 0.0784, 0.0432
CMYK	0.12, 0.04, 0.00, 0.04
HSL	199°, 57%, 90%
HSV	199°, 12%, 96%
XYZ	74.0544, 80.3954, 97.1790
YIQ	230.0460, -14.8090, -1.4410

Conversions

Conversions Part 2

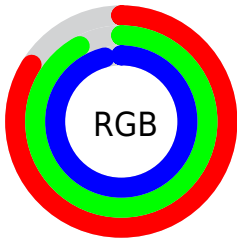
Format	Color
R _Y B	215, 227, 244
Decimal	14150644
CIE Lab	91.86, -4.83, -6.59
CIE LCh	92, 8.175, 233.743
Yxy	80.3954, 0.2943, 0.3195
Android (android.graphics.Color)	4292340724 (0xFFD7EBF4)
YUV	230.0460, 6.8793, -13.1953
Hunter-Lab	89.6635, -9.4854, -1.4952

Details

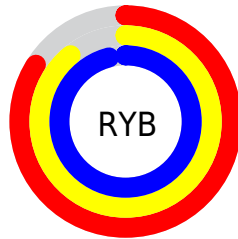
The Yxy color **80.3954, 0.2943, 0.3195** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4145, 0.3330, 0.3383**, and the grayscale version is **79.1219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3446, 0.2900, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **72.7500, 0.2788, 0.3106**, and if you desaturate by 10%, it is **88.7813, 0.3098, 0.3276**.

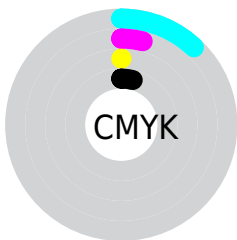
Distribution



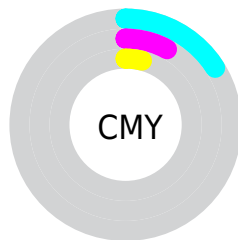
- Red (84%)
- Green (92%)
- Blue (96%)



- Red (84%)
- Yellow (89%)
- Blue (96%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3954, 0.2943, 0.3195 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 80.3954, 0.2943, 0.3195 by changing the saturation by 10% instead.

80.3954, 0.2943,
0.3195

80.3954, 0.2943,
0.3195

496.2644, 0.3026,
0.3239

60.0438, 0.2924,
0.3185

133.9215, 0.2972,
0.3210

43.4539, 0.2902,
0.3173

167.8648, 0.2983,
0.3216

30.2414, 0.2873,
0.3157

207.1074, 0.2992,
0.3221

20.0219, 0.2836,
0.3137

252.0337, 0.3001,
0.3226

12.4110, 0.2787,
0.3110

303.0282, 0.3008,
0.3229

7.0242, 0.2718,
0.3071

360.4752, 0.3015,

3.4773, 0.2615,

0.3233

0.3011

424.7591, 0.3021,
0.3236

■ 1.3857, 0.2441,
0.2906

■ 0.2061, 0.0804,
0.2127

■ 80.3954, 0.2943,
0.3195

■ 80.3954, 0.2943,
0.3195

■ 72.7500, 0.2788,
0.3106

■ 88.7813, 0.3098,
0.3276

■ 65.8084, 0.2637,
0.3009

■ 96.2193, 0.3195,
0.3349

■ 59.5457, 0.2492,
0.2905

■ 99.3099, 0.3191,
0.3396

■ 53.9312, 0.2358,
0.2794

■ 48.9312, 0.2238,
0.2679

■ 44.5086, 0.2135,
0.2561

■ 40.6206, 0.2052,
0.2442

■ 37.2164, 0.1990,
0.2324

■ 34.7459, 0.1953,
0.2229

Harmonies

Analogous

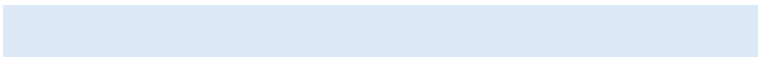
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3954, 0.2965, 0.3275



80.3954, 0.2943, 0.3195



80.3954, 0.2969, 0.3142

Triad

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



80.3954, 0.2943, 0.3195



80.3954, 0.3224, 0.3220



80.3954, 0.3216, 0.3457

Complementary

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



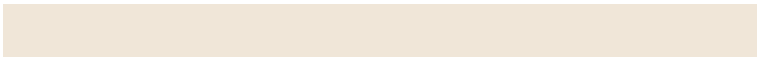
80.3954, 0.2943, 0.3195



77.4145, 0.3330, 0.3383

Split Complementary

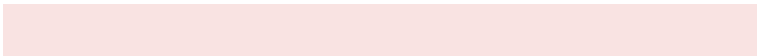
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.3954, 0.3287, 0.3439



80.3954, 0.2943, 0.3195



80.3954, 0.3292, 0.3301

Square

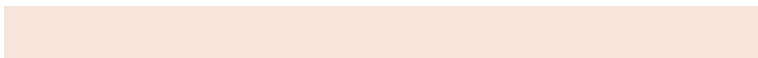
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



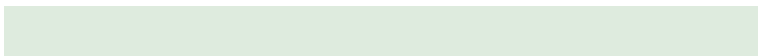
80.3954, 0.2943, 0.3195



80.3954, 0.3130, 0.3157



80.3954, 0.3315, 0.3381



80.3954, 0.3122, 0.3429

Rectangle

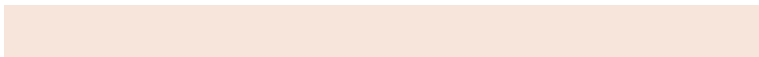
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



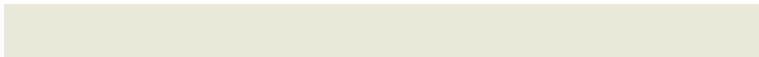
80.3954, 0.2943, 0.3195



80.3954, 0.3011, 0.3128



80.3954, 0.3315, 0.3381



80.3954, 0.3243, 0.3456

Sweetspot

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



80.3988, 0.2943, 0.3195



96.1216, 0.3065, 0.3259



84.4937, 0.3061, 0.3506



20.4211, 0.3054, 0.3253



0.0000, 0.0000, 0.0000



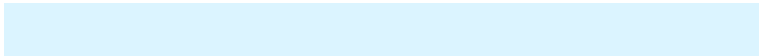
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3988, 0.2943, 0.3195



87.0078, 0.2910, 0.3177



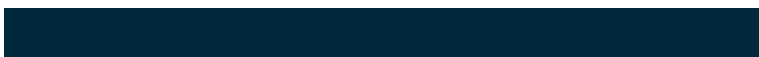
72.5725, 0.2940, 0.3042



17.8430, 0.2980, 0.3215



19.1516, 0.1958, 0.2248



1.8653, 0.1999, 0.2394

Inverse Universe

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



73.8200, 0.3202, 0.3086



78.6093, 0.3217, 0.3048



85.3842, 0.3312, 0.3527



16.6760, 0.3185, 0.3128



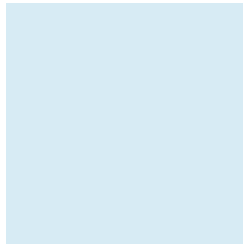
12.0327, 0.4181, 0.2077



1.0759, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 80.3954, 0.2943, 0.3195 looks on a white background.

Color Contrast Check

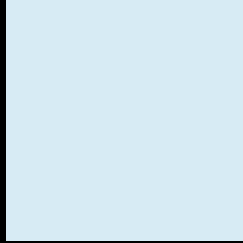
Large Text (above 18pt) WCAG AA × Fail

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 80.3954, 0.2943, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

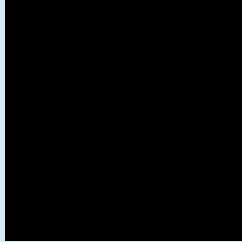
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

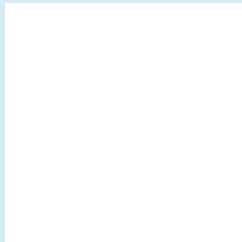
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3954, 0.2943, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 80.3954, 0.2943, 0.3195.

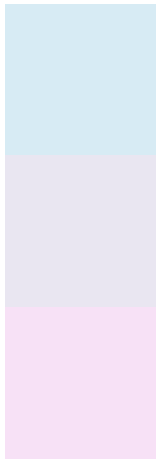


This preview shows how white text looks on a background with the Yxy color 80.3954, 0.2943, 0.3195.

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

80.3954, 0.2943, 0.3195

Protanopia

80.2681, 0.3078, 0.3177

Deuteranopia

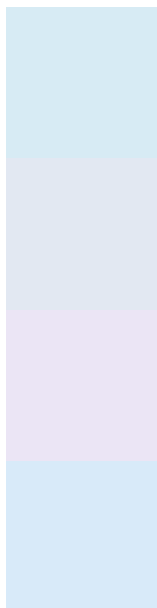
80.2784, 0.3144, 0.3081



Tritanopia

80.4728, 0.2903, 0.3102

Trichromacy



Original Color

80.3954, 0.2943, 0.3195

Protanomaly

80.2928, 0.3025, 0.3186

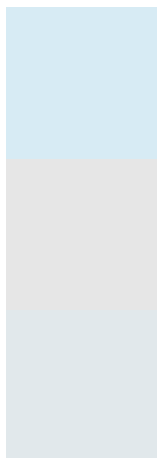
Deuteranomaly

80.2934, 0.3067, 0.3127

Tritanomaly

80.2841, 0.2920, 0.3132

Monochromacy



Original Color

80.3954, 0.2943, 0.3195

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7189, 0.3062, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3954, 0.2943, 0.3195 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(215, 235, 244)` looks like.

```
.text, #text, p{  
    color:rgb(215, 235, 244)  
}
```

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(215, 235, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 235, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.3954, 0.2943, 0.3195 is called "border". The border property can be set on classes, ids or directly on the HTML element.

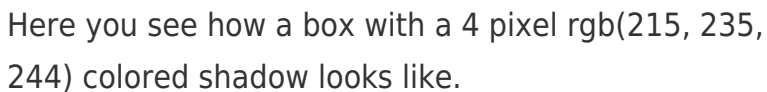
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 235, 244) }
```

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

```
.border{ border-color:rgb(215, 235, 244) }
```

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



Here you see how a box with a 4 pixel rgb(215, 235, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 235, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 235, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 235,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3954, 0.2943, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 235, 244) }
```

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

```
.background{ background-color: rgb(215,  
235, 244) }
```

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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