

Converting Colors

Yxy(80.4244, 0.2879, 0.3159)

Have a look what the booklet for
Yxy(80.4244, 0.2879, 0.3159)
contains.

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Color

Yxy(80.3235, 0.2883, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	D1ECF8
RGB	209, 236, 248
RGB Percent	82%, 93%, 97%
CMY	0.1804, 0.0745, 0.0274
CMYK	0.16, 0.05, 0.00, 0.03
HSL	198°, 74%, 90%
HSV	198°, 16%, 97%
XYZ	73.2361, 80.3235, 100.4679
YIQ	229.2950, -19.9440, -1.9920

Conversions

Conversions Part 2

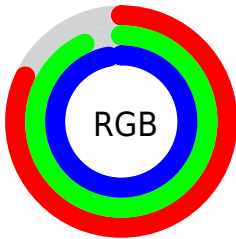
Format	Color
R _Y B	209, 225, 248
Decimal	13757688
CIE Lab	91.83, -6.40, -8.80
CIE LCh	92, 10.875, 233.973
Yxy	80.3235, 0.2883, 0.3162
Android (android.graphics.Color)	4291947768 (0xFFD1ECF8)
YUV	229.2950, 9.2216, -17.7987
Hunter-Lab	89.6234, -10.9789, -3.7278

Details

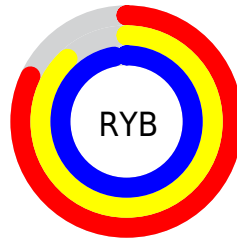
The Yxy color **80.3235, 0.2883, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2898, 0.3406, 0.3415**, and the grayscale version is **78.5280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3183, 0.2825, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **72.6800, 0.2729, 0.3070**, and if you desaturate by 10%, it is **88.7250, 0.3038, 0.3246**.

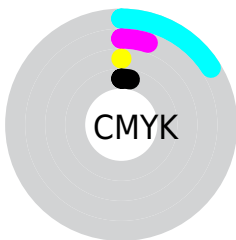
Distribution



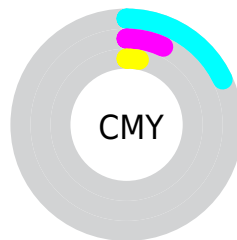
- Red (82%)
- Green (93%)
- Blue (97%)



- Red (82%)
- Yellow (88%)
- Blue (97%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3235, 0.2883, 0.3162 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 80.3235, 0.2883, 0.3162 by changing the saturation by 10% instead.

80.3235, 0.2883,
0.3162

80.3235, 0.2883,
0.3162

496.0224, 0.2993,
0.3221

59.9846, 0.2858,
0.3149

133.8205, 0.2921,
0.3182

43.4062, 0.2828,
0.3132

167.7473, 0.2936,
0.3190

30.2040, 0.2791,
0.3111

206.9723, 0.2948,
0.3197

19.9935, 0.2743,
0.3084

251.8797, 0.2960,
0.3203

12.3903, 0.2678,
0.3047

302.8541, 0.2969,
0.3209

7.0101, 0.2589,
0.2994

360.2797, 0.2978,

3.4684, 0.2454,

0.3213

0.2912

424.5410, 0.2986,
0.3217

1.3809, 0.2233,
0.2770

0.2026, 0.0339,
0.1885

80.3235, 0.2883,
0.3162

80.3235, 0.2883,
0.3162

72.6800, 0.2729,
0.3070

88.7250, 0.3038,
0.3246

65.7563, 0.2580,
0.2970

97.2104, 0.3170,
0.3321

59.5252, 0.2439,
0.2864

99.5587, 0.3168,
0.3357

53.9539, 0.2310,
0.2751

■ 49.0061, 0.2196,
0.2635

■ 44.6409, 0.2101,
0.2517

■ 40.8113, 0.2026,
0.2398

■ 37.4592, 0.1972,
0.2281

■ 36.1378, 0.1953,
0.2232

Harmonies

Analogous

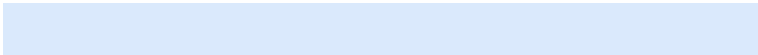
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3235, 0.2912, 0.3269



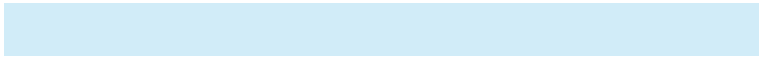
80.3235, 0.2883, 0.3162



80.3235, 0.2918, 0.3093

Triad

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



80.3235, 0.2883, 0.3162



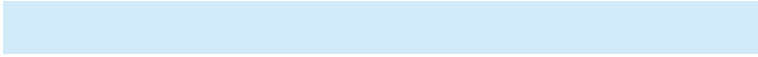
80.3235, 0.3256, 0.3198



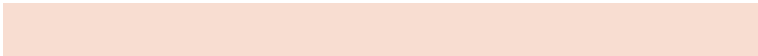
80.3235, 0.3244, 0.3512

Complementary

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



80.3235, 0.2883, 0.3162



76.2898, 0.3406, 0.3415

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.



80.3235, 0.3340, 0.3488



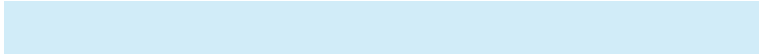
80.3235, 0.2883, 0.3162



80.3235, 0.3347, 0.3305

Square

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



80.3235, 0.2883, 0.3162



80.3235, 0.3132, 0.3115



80.3235, 0.3378, 0.3411



80.3235, 0.3119, 0.3475

Rectangle

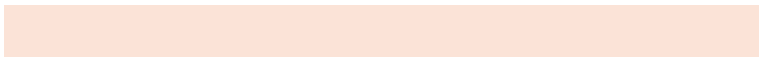
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.3235, 0.2883, 0.3162



80.3235, 0.2973, 0.3075



80.3235, 0.3378, 0.3411



80.3235, 0.3281, 0.3511

Sweetspot

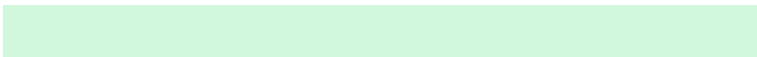
The Sweet Spot groups the original color and five complimentary colors.



80.3268, 0.2883, 0.3162



95.1810, 0.3050, 0.3252



85.9094, 0.3040, 0.3583



20.2313, 0.3039, 0.3246



0.0000, 0.0000, 0.0000



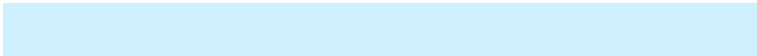
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3268, 0.2883, 0.3162



82.7847, 0.2832, 0.3133



69.8612, 0.2874, 0.2953



18.6533, 0.2980, 0.3215



19.7781, 0.1959, 0.2251



2.0197, 0.1997, 0.2390

Inverse Universe

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



71.6197, 0.3229, 0.3017



71.9636, 0.3254, 0.2957



87.0132, 0.3376, 0.3606



17.4282, 0.3185, 0.3127



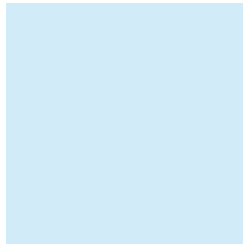
12.4075, 0.4178, 0.2075



1.1681, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 80.3235, 0.2883, 0.3162 looks on a white background.

Color Contrast Check

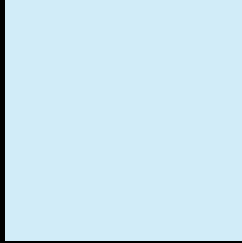
Large Text (above 18pt) WCAG AA × Fail

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 80.3235, 0.2883, 0.3162 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

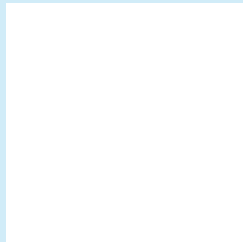
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3235, 0.2883, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 80.3235, 0.2883, 0.3162.

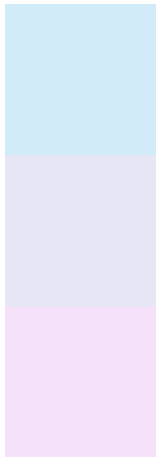


This preview shows how white text looks on a background with the Yxy color 80.3235, 0.2883, 0.3162.

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

80.3235, 0.2883, 0.3162

Protanopia

80.1142, 0.3046, 0.3146

Deuteranopia

80.1650, 0.3105, 0.3041



Tritanopia

80.2741, 0.2855, 0.3090

Trichromacy



Original Color

80.3235, 0.2883, 0.3162

Protanomaly

79.9938, 0.2988, 0.3154

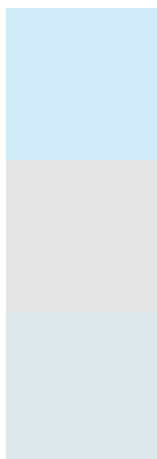
Deuteranomaly

80.0340, 0.3023, 0.3086

Tritanomaly

80.1466, 0.2866, 0.3110

Monochromacy



Original Color

80.3235, 0.2883, 0.3162

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2989, 0.3036, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3235, 0.2883, 0.3162 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(209, 236, 248)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 248)  
}
```

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(209, 236, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 248) }
```

Border

The CSS property to change the border of an element to Yxy 80.3235, 0.2883, 0.3162 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(209, 236, 248) }
```

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

```
.border{ border-color:rgb(209, 236, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 248);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3235, 0.2883, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 248) }
```

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

```
.background{ background-color: rgb(209,  
236, 248) }
```

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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