

Converting Colors

$Yxy(80.7083, 0.2859, 0.3173)$

Have a look what the booklet for
Yxy(80.7083, 0.2859, 0.3173)
contains.

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Color

Yxy(80.9055, 0.2860, 0.3183)

Conversions

Conversions Part 1

Format	Color
Hex	CDEEF8
RGB	205, 238, 248
RGB Percent	80%, 93%, 97%
CMY	0.1960, 0.0667, 0.0275
CMYK	0.17, 0.04, 0.00, 0.03
HSL	194°, 75%, 89%
HSV	194°, 17%, 97%
XYZ	72.6955, 80.9055, 100.5790
YIQ	229.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

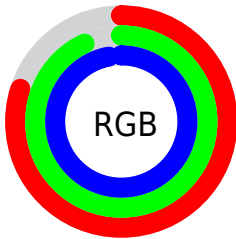
Format	Color
R _Y B	205, 224, 248
Decimal	13496056
CIE Lab	92.09, -8.65, -8.42
CIE LCh	92, 12.069, 224.234
Yxy	80.9055, 0.2860, 0.3183
Android (android.graphics.Color)	4291686136 (0xFFCDEEF8)
YUV	229.2730, 9.2324, -21.2874
Hunter-Lab	89.9475, -13.1445, -3.3347

Details

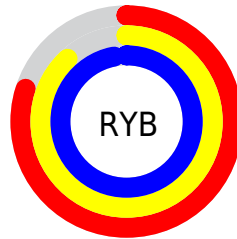
The Yxy color **80.9055, 0.2860, 0.3183** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9627, 0.3444, 0.3395**, and the grayscale version is **78.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.7457, 0.2796, 0.3151** is the 20% darker color. If you saturate the color by 10%, you get **74.3555, 0.2711, 0.3113**, and if you desaturate by 10%, it is **88.1285, 0.3014, 0.3247**.

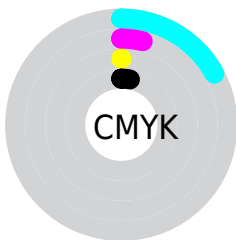
Distribution



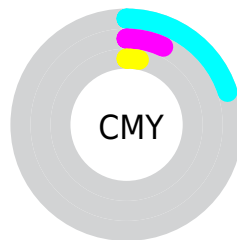
- Red (80%)
- Green (93%)
- Blue (97%)



- Red (80%)
- Yellow (88%)
- Blue (97%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (20%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9055, 0.2860, 0.3183 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 80.9055, 0.2860, 0.3183 by changing the saturation by 10% instead.

80.9055, 0.2860,
0.3183

80.9055, 0.2860,
0.3183

497.9792, 0.2980,
0.3233

60.4638, 0.2833,
0.3172

134.6381, 0.2901,
0.3200

43.7926, 0.2801,
0.3157

168.6977, 0.2917,
0.3207

30.5075, 0.2760,
0.3140

208.0654, 0.2931,
0.3213

20.2241, 0.2708,
0.3116

253.1256, 0.2944,
0.3218

12.5580, 0.2638,
0.3084

304.2627, 0.2954,
0.3222

7.1249, 0.2541,
0.3038

361.8611, 0.2964,

3.5403, 0.2397,

0.3226

0.2966

426.3051, 0.2973,
0.3230

■ 1.4199, 0.2161,
0.2839

■ 0.2313, 0.0081,
0.2141

■ 80.9055, 0.2860,
0.3183

■ 80.9055, 0.2860,
0.3183

■ 74.3555, 0.2711,
0.3113

■ 88.1285, 0.3014,
0.3247

■ 68.4412, 0.2569,
0.3038

■ 96.0399, 0.3169,
0.3305

■ 63.1365, 0.2438,
0.2959

■ 99.5564, 0.3168,
0.3357

■ 58.4095, 0.2321,
0.2875

■ 54.2247, 0.2222,
0.2789

■ 50.5419, 0.2141,
0.2702

■ 47.3142, 0.2081,
0.2616

■ 44.4807, 0.2039,
0.2530

■ 43.7657, 0.2030,
0.2507

Harmonies

Analogous

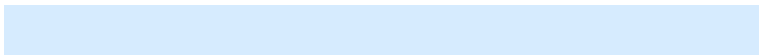
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9055, 0.2914, 0.3309



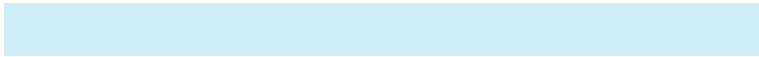
80.9055, 0.2860, 0.3183



80.9055, 0.2876, 0.3090

Triad

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



80.9055, 0.2860, 0.3183



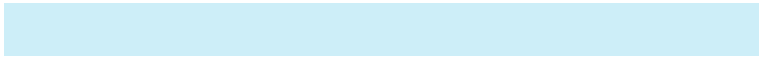
80.9055, 0.3228, 0.3154



80.9055, 0.3296, 0.3535

Complementary

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



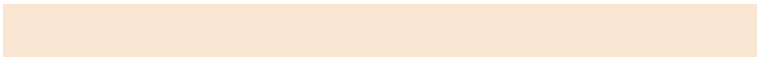
80.9055, 0.2860, 0.3183



72.9627, 0.3444, 0.3395

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.



80.9055, 0.3384, 0.3486



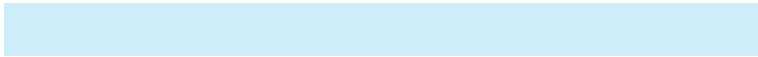
80.9055, 0.2860, 0.3183



80.9055, 0.3344, 0.3266

Square

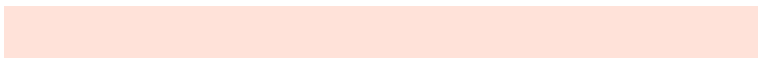
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



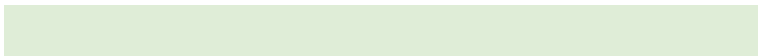
80.9055, 0.2860, 0.3183



80.9055, 0.3086, 0.3076



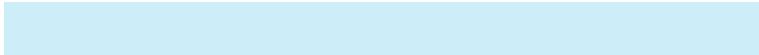
80.9055, 0.3402, 0.3387



80.9055, 0.3164, 0.3516

Rectangle

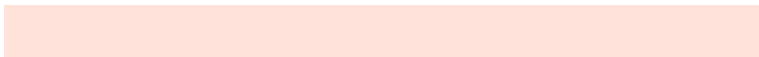
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9055, 0.2860, 0.3183



80.9055, 0.2924, 0.3058



80.9055, 0.3402, 0.3387



80.9055, 0.3332, 0.3526

Sweetspot

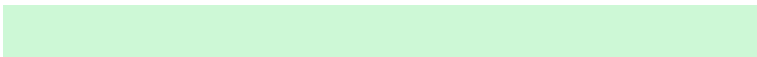
The Sweet Spot groups the original color and five complimentary colors.



80.9088, 0.2860, 0.3183



95.7862, 0.3050, 0.3261



84.9793, 0.3052, 0.3657



20.3786, 0.3039, 0.3257



0.0000, 0.0000, 0.0000



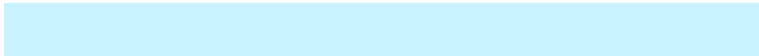
21.4041, 0.3127, 0.3290

Same Dimension

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



80.9088, 0.2860, 0.3183



83.5377, 0.2804, 0.3158



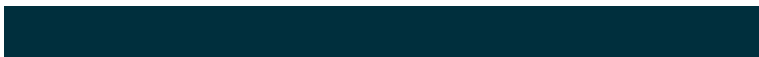
69.4820, 0.2849, 0.2955



18.8847, 0.2980, 0.3234



23.8696, 0.2034, 0.2521



2.3707, 0.2062, 0.2623

Inverse Universe

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



69.7975, 0.3217, 0.2956



69.6879, 0.3240, 0.2882



84.2446, 0.3408, 0.3604



17.4515, 0.3174, 0.3110



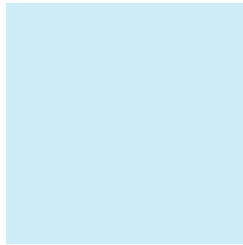
12.8206, 0.3902, 0.1923



1.2036, 0.3801, 0.1868

Previews

White Background



This preview shows how the Yxy color 80.9055, 0.2860, 0.3183 looks on a white background.

Color Contrast Check

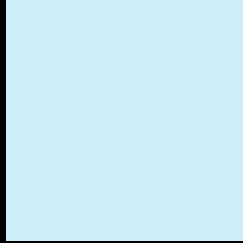
Large Text (above 18pt) WCAG AA × Fail

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 80.9055, 0.2860, 0.3183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

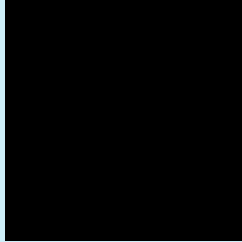
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9055, 0.2860, 0.3183

Background



This preview shows how black text looks on a background with the Yxy color 80.9055, 0.2860, 0.3183.

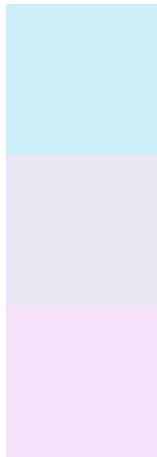


This preview shows how white text looks on a background with the Yxy color 80.9055, 0.2860, 0.3183.

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

80.9055, 0.2860, 0.3183

Protanopia

80.9465, 0.3066, 0.3167

Deuteranopia

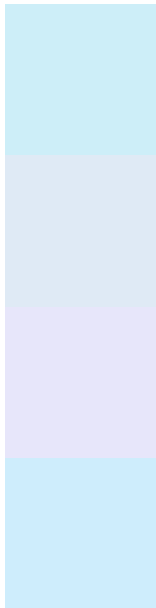
80.4083, 0.3105, 0.3032



Tritanopia

81.0538, 0.2833, 0.3100

Trichromacy



Original Color

80.9055, 0.2860, 0.3183

Protanomaly

81.1262, 0.2988, 0.3175

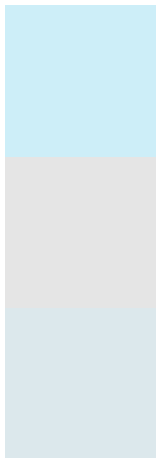
Deuteranomaly

80.4847, 0.3010, 0.3086

Tritanomaly

80.7185, 0.2843, 0.3131

Monochromacy



Original Color

80.9055, 0.2860, 0.3183

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.9850, 0.3022, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9055, 0.2860, 0.3183 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(205, 238, 248)` looks like.

```
.text, #text, p{  
    color:rgb(205, 238, 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(205, 238, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 238, 248) }
```

Border

The CSS property to change the border of an element to Yxy 80.9055, 0.2860, 0.3183 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(205, 238, 248) }
```

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

```
.border{ border-color:rgb(205, 238, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 238, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 238, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 238, 248);  
box-shadow:4px 4px 4px 4px rgb(205, 238,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9055, 0.2860, 0.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 238, 248) }
```

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

```
.background{ background-color: rgb(205,  
238, 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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