

Converting Colors

$Y_{xy}(80.7309, 0.2912, 0.3178)$

Have a look what the booklet for
Yxy(80.7309, 0.2912, 0.3178)
contains.

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Color

Yxy(80.7034, 0.2907, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	D4ECF7
RGB	212, 236, 247
RGB Percent	83%, 93%, 97%
CMY	0.1686, 0.0745, 0.0312
CMYK	0.14, 0.04, 0.00, 0.03
HSL	199°, 69%, 90%
HSV	199°, 14%, 97%
XYZ	73.9378, 80.7034, 99.7029
YIQ	230.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

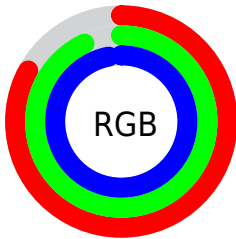
Format	Color
RYB	212, 226, 247
Decimal	13954295
CIELab	92.00, -5.67, -8.01
CIELCh	92, 9.811, 234.703
Yxy	80.7034, 0.2907, 0.3173
Android (android.graphics.Color)	4292144375 (0xFFD4ECF7)
YUV	230.0780, 8.3425, -15.8544
Hunter-Lab	89.8351, -10.2988, -2.9181

Details

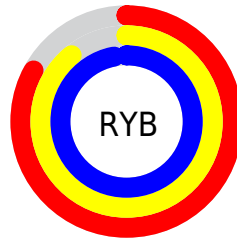
The Yxy color $80.7034, 0.2907, 0.3173$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $77.3230, 0.3374, 0.3404$, and the grayscale version is $79.1410, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.5722, 0.2855, 0.3139$ is the 20% darker color. If you saturate the color by 10%, you get $72.9306, 0.2752, 0.3080$, and if you desaturate by 10%, it is $89.2396, 0.3062, 0.3257$.

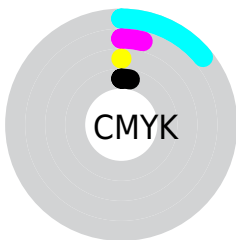
Distribution



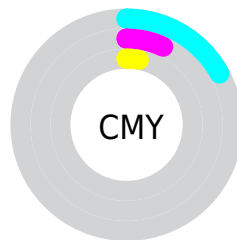
- Red (83%)
- Green (93%)
- Blue (97%)



- Red (83%)
- Yellow (89%)
- Blue (97%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7034, 0.2907, 0.3173 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 80.7034, 0.2907, 0.3173 by changing the saturation by 10% instead.

80.7034, 0.2907,
0.3173

80.7034, 0.2907,
0.3173

497.3002, 0.3006,
0.3227

60.2974, 0.2885,
0.3161

134.3542, 0.2941,
0.3192

43.6584, 0.2858,
0.3146

168.3678, 0.2954,
0.3199

30.4020, 0.2824,
0.3127

207.6860, 0.2966,
0.3205

20.1439, 0.2780,
0.3102

252.6932, 0.2976,
0.3211

12.4997, 0.2722,
0.3068

303.7738, 0.2985,
0.3215

7.0850, 0.2641,
0.3020

361.3123, 0.2993,

3.5153, 0.2520,

0.3220

0.2946

425.6929, 0.3000,
0.3224

■ 1.4063, 0.2319,
0.2818

■ 0.2214, 0.0658,
0.2023

■ 80.7034, 0.2907,
0.3173

■ 80.7034, 0.2907,
0.3173

■ 72.9306, 0.2752,
0.3080

■ 89.2396, 0.3062,
0.3257

■ 65.8832, 0.2602,
0.2980

■ 97.3209, 0.3175,
0.3333

■ 59.5347, 0.2458,
0.2871

■ 99.4975, 0.3173,
0.3366

■ 53.8527, 0.2326,
0.2757

■ 48.8017, 0.2209,
0.2639

■ 44.3419, 0.2110,
0.2518

■ 40.4277, 0.2031,
0.2396

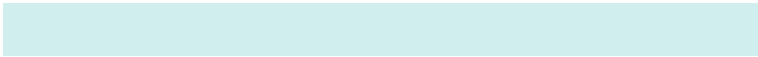
■ 37.0035, 0.1973,
0.2276

■ 35.1916, 0.1947,
0.2208

Harmonies

Analogous

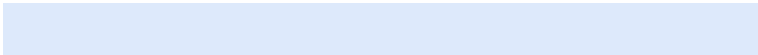
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7034, 0.2932, 0.3269



80.7034, 0.2907, 0.3173



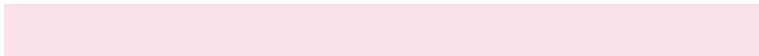
80.7034, 0.2940, 0.3111

Triad

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



80.7034, 0.2907, 0.3173



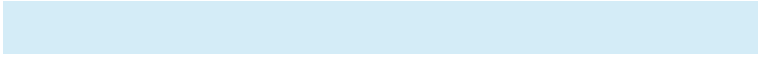
80.7034, 0.3246, 0.3209



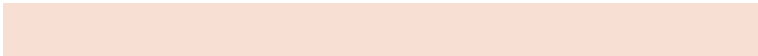
80.7034, 0.3230, 0.3490

Complementary

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



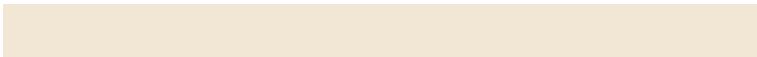
80.7034, 0.2907, 0.3173



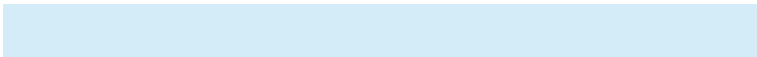
77.3230, 0.3374, 0.3404

Split Complementary

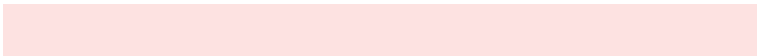
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7034, 0.3317, 0.3469



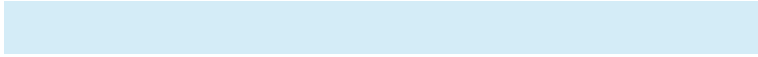
80.7034, 0.2907, 0.3173



80.7034, 0.3326, 0.3306

Square

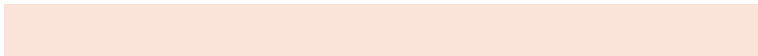
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



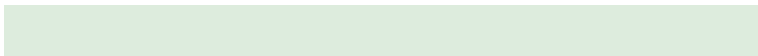
80.7034, 0.2907, 0.3173



80.7034, 0.3134, 0.3133



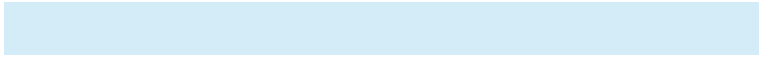
80.7034, 0.3353, 0.3401



80.7034, 0.3117, 0.3455

Rectangle

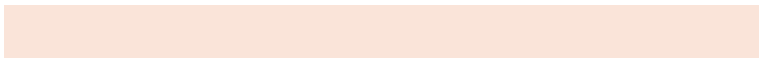
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7034, 0.2907, 0.3173



80.7034, 0.2990, 0.3096



80.7034, 0.3353, 0.3401



80.7034, 0.3263, 0.3489

Sweetspot

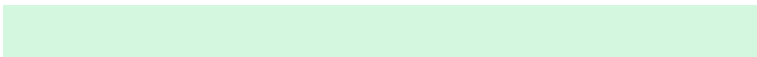
The Sweet Spot groups the original color and five complimentary colors.



80.7068, 0.2907, 0.3173



96.0848, 0.3065, 0.3259



85.8402, 0.3049, 0.3552



20.4117, 0.3054, 0.3253



0.0000, 0.0000, 0.0000



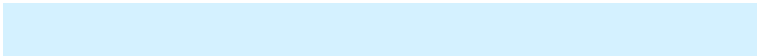
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7068, 0.2907, 0.3173



84.2846, 0.2863, 0.3148



71.3783, 0.2901, 0.2989



17.8263, 0.2980, 0.3214



18.8718, 0.1952, 0.2228



1.8423, 0.1994, 0.2377

Inverse Universe

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



72.9212, 0.3219, 0.3047



74.5441, 0.3241, 0.2996



86.8696, 0.3350, 0.3574



16.6743, 0.3186, 0.3129



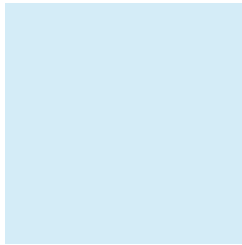
12.0045, 0.4203, 0.2089



1.0736, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 80.7034, 0.2907, 0.3173 looks on a white background.

Color Contrast Check

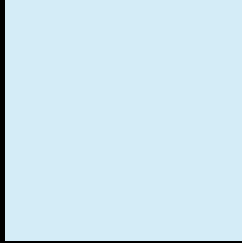
Large Text (above 18pt) WCAG AA × Fail

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 80.7034, 0.2907, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

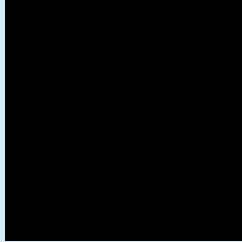
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

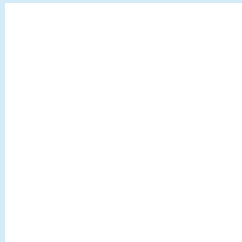
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7034, 0.2907, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 80.7034, 0.2907, 0.3173.

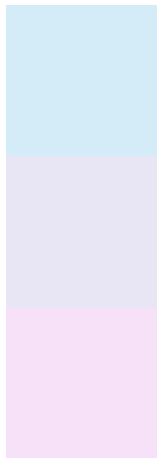


This preview shows how white text looks on a background with the Yxy color 80.7034, 0.2907, 0.3173.

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

80.7034, 0.2907, 0.3173

Protanopia

80.2811, 0.3053, 0.3146

Deuteranopia

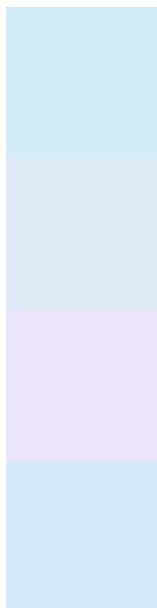
80.2828, 0.3118, 0.3051



Tritanopia

80.7186, 0.2873, 0.3091

Trichromacy



Original Color

80.7034, 0.2907, 0.3173

Protanomaly

80.3133, 0.3001, 0.3155

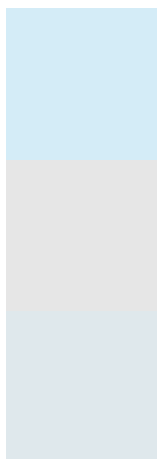
Deuteranomaly

80.3084, 0.3042, 0.3096

Tritanomaly

80.5278, 0.2890, 0.3122

Monochromacy



Original Color

80.7034, 0.2907, 0.3173

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.4573, 0.3042, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7034, 0.2907, 0.3173 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(212, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 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(212, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 247) }
```

Border

The CSS property to change the border of an element to Yxy 80.7034, 0.2907, 0.3173 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(212, 236, 247) }
```

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

```
.border{ border-color:rgb(212, 236, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 236, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7034, 0.2907, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 247) }
```

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

```
.background{ background-color: rgb(212,  
236, 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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