

Converting Colors

Yxy(81.0454, 0.2916, 0.3186)

Have a look what the booklet for
Yxy(81.0454, 0.2916, 0.3186)
contains.

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Color

Yxy(80.7909, 0.2919, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	D5ECF6
RGB	213, 236, 246
RGB Percent	84%, 93%, 96%
CMY	0.1648, 0.0745, 0.0353
CMYK	0.13, 0.04, 0.00, 0.04
HSL	198°, 65%, 90%
HSV	198°, 13%, 96%
XYZ	74.0668, 80.7909, 98.8826
YIQ	230.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

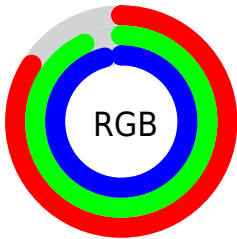
Format	Color
R _Y B	213, 227, 246
Decimal	14019830
CIE Lab	92.04, -5.57, -7.41
CIE LCh	92, 9.267, 233.054
Yxy	80.7909, 0.2919, 0.3184
Android (android.graphics.Color)	4292209910 (0xFFD5ECF6)
YUV	230.2630, 7.7583, -15.1397
Hunter-Lab	89.8838, -10.2075, -2.3073

Details

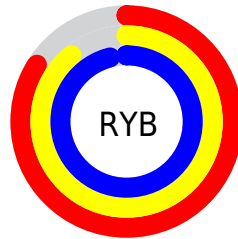
The Yxy color **80.7909, 0.2919, 0.3184** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1606, 0.3360, 0.3394**, and the grayscale version is **79.2864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6293, 0.2870, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **73.1915, 0.2765, 0.3096**, and if you desaturate by 10%, it is **89.1338, 0.3074, 0.3264**.

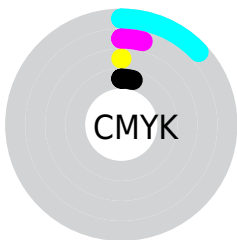
Distribution



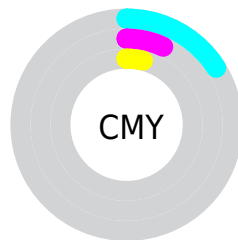
- Red (84%)
- Green (93%)
- Blue (96%)



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



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7909, 0.2919, 0.3184 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 80.7909, 0.2919, 0.3184 by changing the saturation by 10% instead.

80.7909, 0.2919,
0.3184

80.7909, 0.2919,
0.3184

497.5942, 0.3013,
0.3233

60.3694, 0.2898,
0.3173

134.4771, 0.2951,
0.3201

43.7165, 0.2872,
0.3159

168.5106, 0.2964,
0.3207

30.4477, 0.2840,
0.3142

207.8503, 0.2975,
0.3213

20.1786, 0.2799,
0.3119

252.8805, 0.2984,
0.3218

12.5250, 0.2744,
0.3089

303.9855, 0.2993,
0.3222

7.1023, 0.2667,
0.3045

361.5499, 0.3000,

3.5261, 0.2552,

0.3226

0.2978

425.9580, 0.3007,
0.3230

■ 1.4122, 0.2361,
0.2861

■ 0.2257, 0.0736,
0.2114

■ 80.7909, 0.2919,
0.3184

■ 80.7909, 0.2919,
0.3184

■ 73.1915, 0.2765,
0.3096

■ 89.1338, 0.3074,
0.3264

■ 66.2983, 0.2614,
0.3000

■ 96.8476, 0.3182,
0.3337

■ 60.0855, 0.2472,
0.2896

■ 99.4342, 0.3179,
0.3376

■ 54.5215, 0.2340,
0.2787

■ 49.5718, 0.2224,
0.2674

■ 45.1976, 0.2125,
0.2558

■ 41.3547, 0.2046,
0.2442

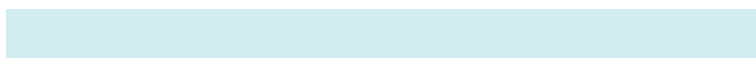
■ 37.9893, 0.1988,
0.2327

■ 35.9855, 0.1959,
0.2252

Harmonies

Analogous

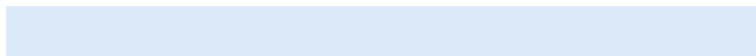
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7909, 0.2945, 0.3276



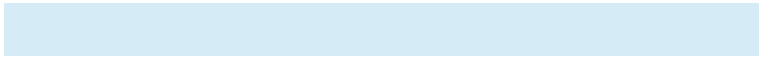
80.7909, 0.2919, 0.3184



80.7909, 0.2947, 0.3123

Triad

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



80.7909, 0.2919, 0.3184



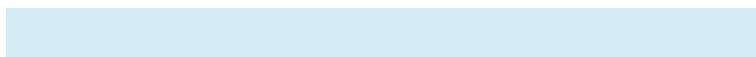
80.7909, 0.3234, 0.3209



80.7909, 0.3230, 0.3479

Complementary

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



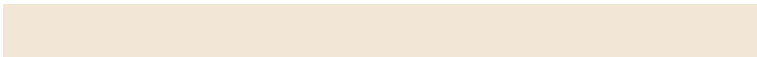
80.7909, 0.2919, 0.3184



77.1606, 0.3360, 0.3394

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.



80.7909, 0.3310, 0.3457



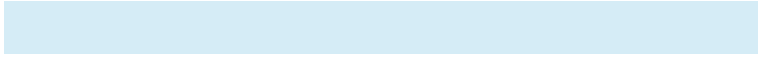
80.7909, 0.2919, 0.3184



80.7909, 0.3312, 0.3300

Square

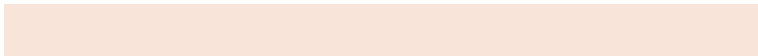
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



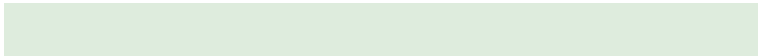
80.7909, 0.2919, 0.3184



80.7909, 0.3128, 0.3139



80.7909, 0.3340, 0.3391



80.7909, 0.3124, 0.3448

Rectangle

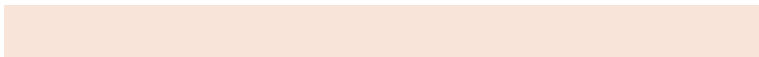
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



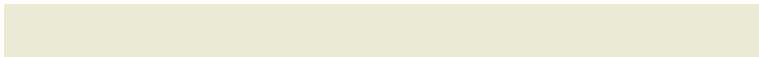
80.7909, 0.2919, 0.3184



80.7909, 0.2993, 0.3107



80.7909, 0.3340, 0.3391



80.7909, 0.3261, 0.3477

Sweetspot

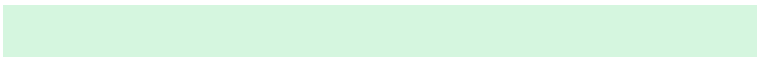
The Sweet Spot groups the original color and five complimentary colors.



80.7943, 0.2919, 0.3184



96.1624, 0.3065, 0.3260



85.3802, 0.3053, 0.3537



20.4314, 0.3054, 0.3254



0.0000, 0.0000, 0.0000



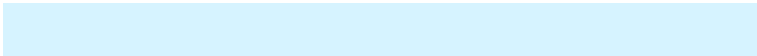
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7943, 0.2919, 0.3184



85.4384, 0.2879, 0.3162



71.7675, 0.2914, 0.3007



17.8615, 0.2980, 0.3217



19.4649, 0.1964, 0.2271



1.8909, 0.2004, 0.2414

Inverse Universe

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



73.2301, 0.3211, 0.3056



75.9044, 0.3230, 0.3009



86.3651, 0.3337, 0.3558



16.6779, 0.3184, 0.3126



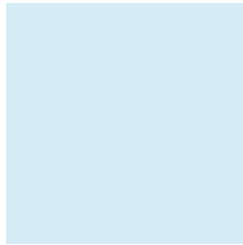
12.0644, 0.4157, 0.2064



1.0785, 0.4009, 0.1982

Previews

White Background



This preview shows how the Yxy color 80.7909, 0.2919, 0.3184 looks on a white background.

Color Contrast Check

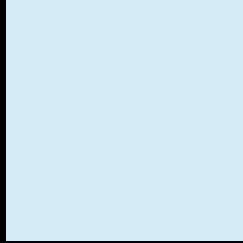
Large Text (above 18pt) WCAG AA × Fail

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 80.7909, 0.2919, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

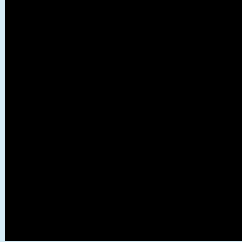
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

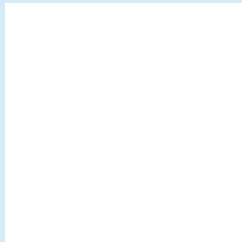
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7909, 0.2919, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 80.7909, 0.2919, 0.3184.

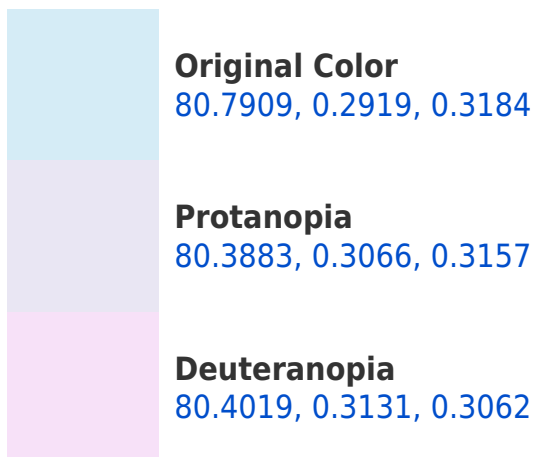


This preview shows how white text looks on a background with the Yxy color 80.7909, 0.2919, 0.3184.

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

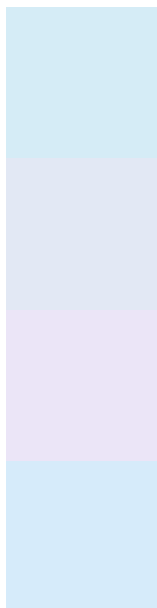




Tritanopia

80.8047, 0.2885, 0.3101

Trichromacy



Original Color

80.7909, 0.2919, 0.3184

Protanomaly

80.4136, 0.3013, 0.3165

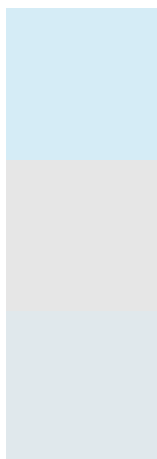
Deuteranomaly

80.4162, 0.3055, 0.3107

Tritanomaly

80.6149, 0.2902, 0.3132

Monochromacy



Original Color

80.7909, 0.2919, 0.3184

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6166, 0.3049, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7909, 0.2919, 0.3184 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(213, 236, 246)` looks like.

```
.text, #text, p{  
    color:rgb(213, 236, 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(213, 236, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 236, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.7909, 0.2919, 0.3184 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(213, 236, 246) }
```

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

```
.border{ border-color:rgb(213, 236, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 236, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 236, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 236, 246);  
box-shadow:4px 4px 4px 4px rgb(213, 236,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7909, 0.2919, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 236, 246) }
```

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

```
.background{ background-color: rgb(213,  
236, 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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