

Converting Colors

$Yxy(80.7102, 0.2850, 0.3128)$

Have a look what the booklet for
Yxy(80.7102, 0.2850, 0.3128)
contains.

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Color

Yxy(80.8620, 0.2849, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	CFEDFC
RGB	207, 237, 252
RGB Percent	81%, 93%, 99%
CMY	0.1884, 0.0705, 0.0118
CMYK	0.18, 0.06, 0.00, 0.01
HSL	200°, 88%, 90%
HSV	200°, 18%, 99%
XYZ	73.5790, 80.8620, 103.8215
YIQ	229.7400, -22.6950, -1.6950

Conversions

Conversions Part 2

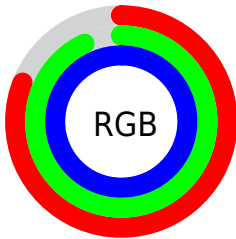
Format	Color
R _Y B	207, 225, 252
Decimal	13626876
CIE Lab	92.07, -6.72, -10.52
CIE LCh	92, 12.486, 237.444
Yxy	80.8620, 0.2849, 0.3131
Android (android.graphics.Color)	4291816956 (0xFFCFEDFC)
YUV	229.7400, 10.9742, -19.9430
Hunter-Lab	89.9233, -11.3096, -5.5073

Details

The Yxy color **80.8620, 0.2849, 0.3131** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4141, 0.3448, 0.3444**, and the grayscale version is **78.8562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6633, 0.2789, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **72.7787, 0.2694, 0.3030**, and if you desaturate by 10%, it is **89.7582, 0.3005, 0.3224**.

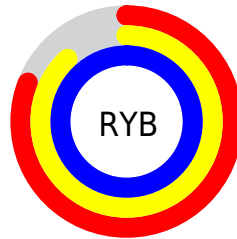
Distribution



Red (81%)

Green (93%)

Blue (99%)



Red (81%)

Yellow (88%)

Blue (99%)

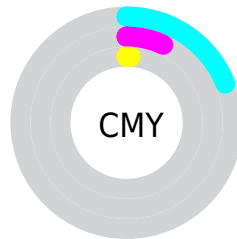


Cyan (18%)

Magenta (6%)

Yellow (0%)

Black (1%)



Cyan (19%)

Magenta (7%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8620, 0.2849, 0.3131 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 80.8620, 0.2849, 0.3131 by changing the saturation by 10% instead.

80.8620, 0.2849,
0.3131

80.8620, 0.2849,
0.3131

497.8331, 0.2974,
0.3204

60.4279, 0.2821,
0.3114

134.5770, 0.2892,
0.3156

43.7637, 0.2787,
0.3094

168.6267, 0.2909,
0.3166

30.4848, 0.2745,
0.3068

207.9838, 0.2923,
0.3175

20.2068, 0.2691,
0.3034

253.0326, 0.2936,
0.3182

12.5455, 0.2618,
0.2989

304.1575, 0.2947,
0.3189

7.1163, 0.2518,
0.2924

361.7430, 0.2957,

3.5349, 0.2369,

0.3194

0.2825

426.1734, 0.2966,
0.3200

■ 1.4170, 0.2127,
0.2656

■ 0.2292, 0.0424,
0.1807

■ 80.8620, 0.2849,
0.3131

■ 80.8620, 0.2849,
0.3131

■ 72.7787, 0.2694,
0.3030

■ 89.7582, 0.3005,
0.3224

■ 65.4678, 0.2544,
0.2920

■ 99.0344, 0.3145,
0.3307

■ 58.9000, 0.2402,
0.2802

■ 99.8081, 0.3144,
0.3319

■ 53.0395, 0.2273,
0.2679

■ 47.8471, 0.2159,
0.2551

■ 43.2784, 0.2065,
0.2422

■ 39.2817, 0.1991,
0.2294

■ 35.7886, 0.1938,
0.2168

■ 35.0890, 0.1928,
0.2141

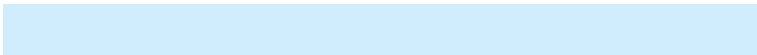
Harmonies

Analogous

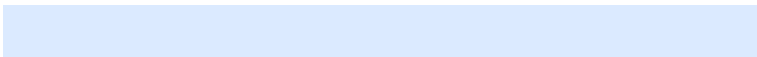
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8620, 0.2874, 0.3250



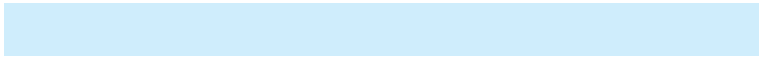
80.8620, 0.2849, 0.3131



80.8620, 0.2897, 0.3059

Triad

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



80.8620, 0.2849, 0.3131



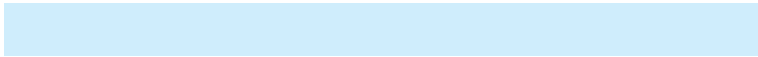
80.8620, 0.3290, 0.3197



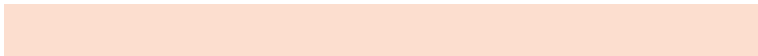
80.8620, 0.3245, 0.3544

Complementary

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



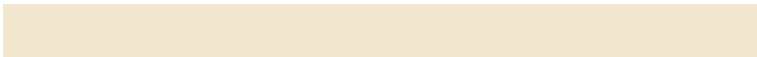
80.8620, 0.2849, 0.3131



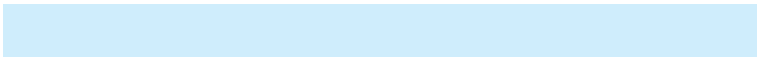
77.4141, 0.3448, 0.3444

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.



80.8620, 0.3361, 0.3523



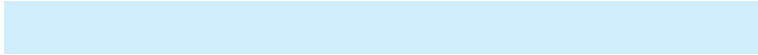
80.8620, 0.2849, 0.3131



80.8620, 0.3387, 0.3321

Square

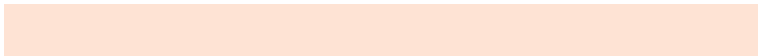
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8620, 0.2849, 0.3131



80.8620, 0.3149, 0.3099



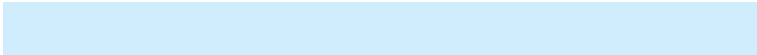
80.8620, 0.3413, 0.3440



80.8620, 0.3100, 0.3493

Rectangle

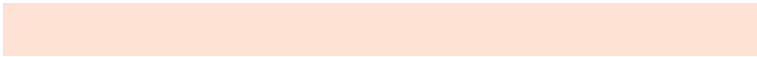
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



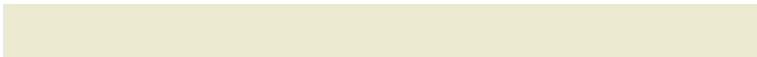
80.8620, 0.2849, 0.3131



80.8620, 0.2964, 0.3044



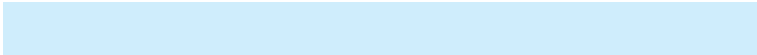
80.8620, 0.3413, 0.3440



80.8620, 0.3289, 0.3545

Sweetspot

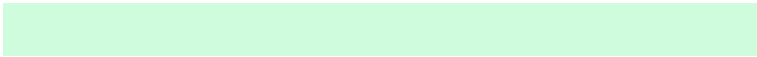
The Sweet Spot groups the original color and five complimentary colors.



80.8653, 0.2849, 0.3131



94.9846, 0.3050, 0.3248



88.1121, 0.3024, 0.3620



20.1835, 0.3039, 0.3242



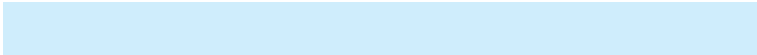
0.0000, 0.0000, 0.0000



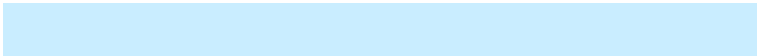
21.4041, 0.3127, 0.3290

Same Dimension

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



80.8653, 0.2849, 0.3131



80.3740, 0.2800, 0.3100



69.0029, 0.2836, 0.2893



18.5784, 0.2980, 0.3209



18.5609, 0.1934, 0.2162



1.9137, 0.1976, 0.2313

Inverse Universe

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



71.4197, 0.3253, 0.2989



69.3685, 0.3279, 0.2933



89.7441, 0.3411, 0.3658



17.4206, 0.3189, 0.3133



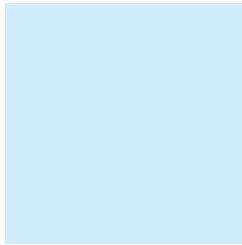
12.2846, 0.4273, 0.2128



1.1574, 0.4113, 0.2040

Previews

White Background



This preview shows how the Yxy color 80.8620, 0.2849, 0.3131 looks on a white background.

Color Contrast Check

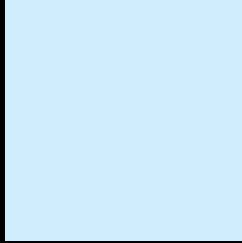
Large Text (above 18pt) WCAG AA × Fail

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 80.8620, 0.2849, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

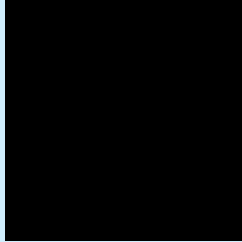
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

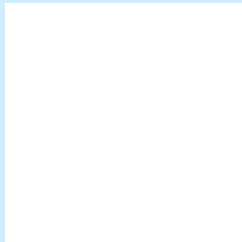
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8620, 0.2849, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 80.8620, 0.2849, 0.3131.

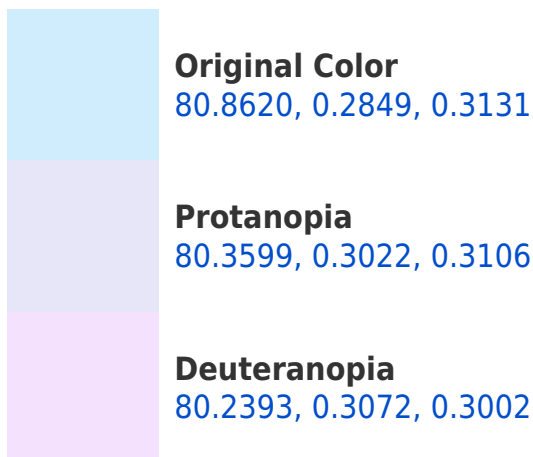


This preview shows how white text looks on a background with the Yxy color 80.8620, 0.2849, 0.3131.

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

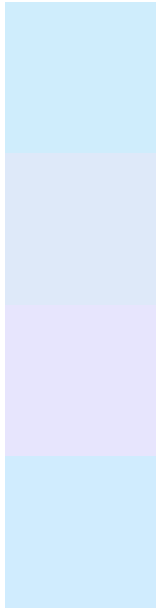




Tritanopia

80.6208, 0.2838, 0.3090

Trichromacy



Original Color

80.8620, 0.2849, 0.3131

Protanomaly

80.6470, 0.2958, 0.3124

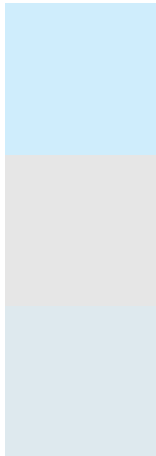
Deuteranomaly

80.1194, 0.2992, 0.3046

Tritanomaly

80.5566, 0.2844, 0.3100

Monochromacy



Original Color

80.8620, 0.2849, 0.3131

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.9805, 0.3023, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8620, 0.2849, 0.3131 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(207, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(207, 237, 252)  
}
```

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(207, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 237, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.8620, 0.2849, 0.3131 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(207, 237, 252) }
```

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

```
.border{ border-color:rgb(207, 237, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 237, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(207, 237,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8620, 0.2849, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 237, 252) }
```

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

```
.background{ background-color: rgb(207,  
237, 252) }
```

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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