

Converting Colors

$Y_{xy}(80.9290, 0.2748, 0.3167)$

Have a look what the booklet for
Yxy(80.9290, 0.2748, 0.3167)
contains.

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Color

Yxy(80.7577, 0.2748, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	BDF1FC
RGB	189, 241, 252
RGB Percent	74%, 95%, 99%
CMY	0.2589, 0.0549, 0.0118
CMYK	0.25, 0.04, 0.00, 0.01
HSL	190°, 91%, 86%
HSV	190°, 25%, 99%
XYZ	70.0070, 80.7577, 103.9915
YIQ	226.7060, -34.5230, -7.6030

Conversions

Conversions Part 2

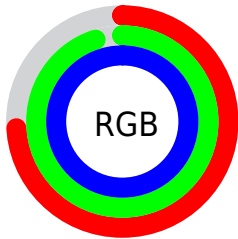
Format	Color
R _Y B	189, 217, 252
Decimal	12448252
CIE Lab	92.02, -14.07, -10.71
CIE LCh	92, 17.684, 217.279
Yxy	80.7577, 0.2748, 0.3170
Android (android.graphics.Color)	4290638332 (0xFFBDF1FC)
YUV	226.7060, 12.4699, -33.0682
Hunter-Lab	89.8653, -18.2089, -5.7043

Details

The Yxy color **80.7577, 0.2748, 0.3170** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6605, 0.3630, 0.3407**, and the grayscale version is **76.5165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **43.7064, 0.2667, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **75.2438, 0.2608, 0.3115**, and if you desaturate by 10%, it is **86.9007, 0.2896, 0.3221**.

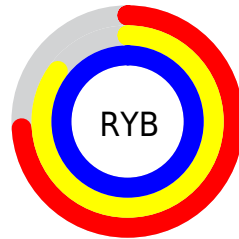
Distribution



Red (74%)

Green (95%)

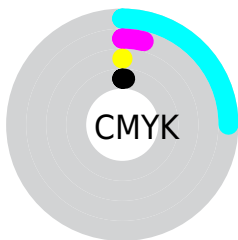
Blue (99%)



Red (74%)

Yellow (85%)

Blue (99%)

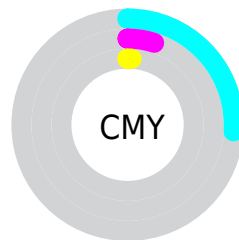


Cyan (25%)

Magenta (4%)

Yellow (0%)

Black (1%)



Cyan (26%)

Magenta (5%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7577, 0.2748, 0.3170 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 80.7577, 0.2748, 0.3170 by changing the saturation by 10% instead.

80.7577, 0.2748,
0.3170

80.7577, 0.2748,
0.3170

497.4827, 0.2918,
0.3227

60.3421, 0.2710,
0.3157

134.4305, 0.2806,
0.3190

43.6944, 0.2665,
0.3140

168.4564, 0.2829,
0.3198

30.4303, 0.2608,
0.3119

207.7879, 0.2849,
0.3204

20.1655, 0.2535,
0.3091

252.8094, 0.2866,
0.3210

12.5154, 0.2438,
0.3052

303.9052, 0.2881,
0.3215

7.0957, 0.2305,
0.2996

361.4598, 0.2895,

3.5220, 0.2110,

0.3220

0.2907

425.8575, 0.2907,
0.3224

■ 1.4100, 0.1800,
0.2747

■ 0.2240, 0.0000,
0.1841

■ 80.7577, 0.2748,
0.3170

■ 80.7577, 0.2748,
0.3170

■ 75.2438, 0.2608,
0.3115

■ 86.9007, 0.2896,
0.3221

■ 70.3198, 0.2481,
0.3057

■ 93.6903, 0.3049,
0.3268

■ 65.9570, 0.2368,
0.2996

■ 99.2938, 0.3145,
0.3311

■ 62.1201, 0.2272,
0.2933

■ 99.8082, 0.3144,
0.3319

■ 58.7692, 0.2195,
0.2870

■ 55.8581, 0.2139,
0.2806

■ 53.3296, 0.2101,
0.2743

■ 52.1701, 0.2087,
0.2712

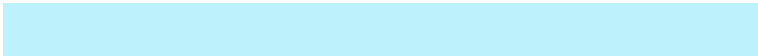
Harmonies

Analogous

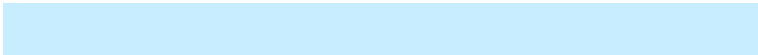
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7577, 0.2847, 0.3361



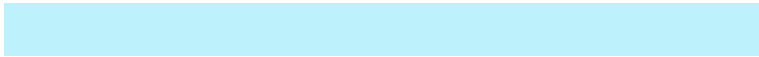
80.7577, 0.2748, 0.3170



80.7577, 0.2747, 0.3021

Triad

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



80.7577, 0.2748, 0.3170



80.7577, 0.3226, 0.3061



80.7577, 0.3411, 0.3642

Complementary

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



80.7577, 0.2748, 0.3170



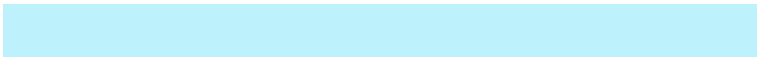
65.6605, 0.3630, 0.3407

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.



80.7577, 0.3521, 0.3546



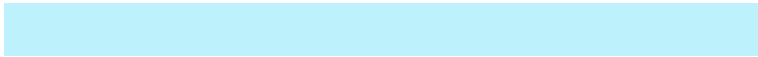
80.7577, 0.2748, 0.3170



80.7577, 0.3413, 0.3213

Square

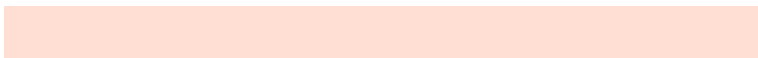
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7577, 0.2748, 0.3170



80.7577, 0.3017, 0.2965



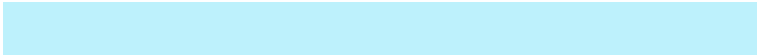
80.7577, 0.3522, 0.3389



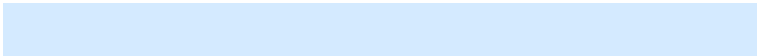
80.7577, 0.3227, 0.3641

Rectangle

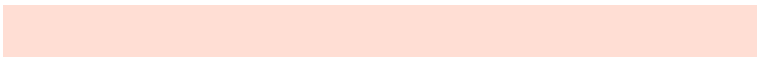
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



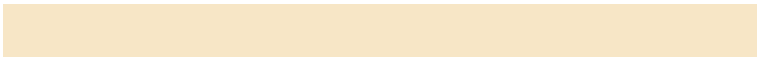
80.7577, 0.2748, 0.3170



80.7577, 0.2802, 0.2964



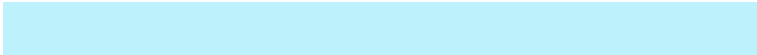
80.7577, 0.3522, 0.3389



80.7577, 0.3459, 0.3619

Sweetspot

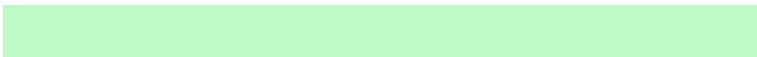
The Sweet Spot groups the original color and five complimentary colors.



80.7610, 0.2748, 0.3170



94.0857, 0.3003, 0.3255



84.5819, 0.3036, 0.3882



19.9107, 0.2980, 0.3248



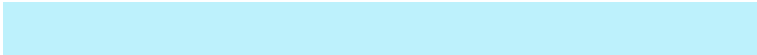
0.0000, 0.0000, 0.0000



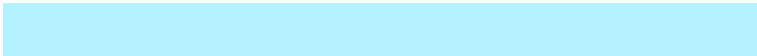
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7610, 0.2748, 0.3170



80.0474, 0.2677, 0.3143



63.9292, 0.2717, 0.2820



19.0633, 0.2980, 0.3248



27.3707, 0.2090, 0.2723



2.6658, 0.2111, 0.2798

Inverse Universe

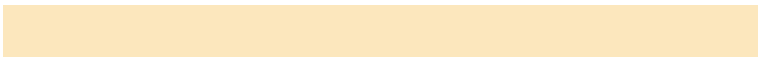
The Inverse Universe completely reimagines the original color for something new.



63.4317, 0.3238, 0.2767



59.6906, 0.3265, 0.2661



81.5154, 0.3554, 0.3719



17.4696, 0.3165, 0.3096



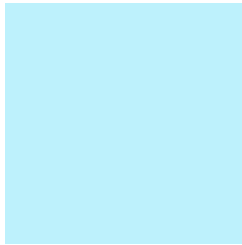
13.1740, 0.3707, 0.1816



1.2333, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 80.7577, 0.2748, 0.3170 looks on a white background.

Color Contrast Check

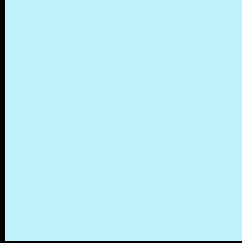
Large Text (above 18pt) WCAG AA × Fail

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 80.7577, 0.2748, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

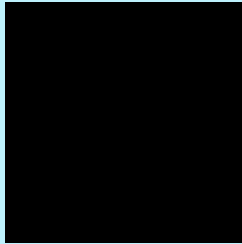
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7577, 0.2748, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 80.7577, 0.2748, 0.3170.

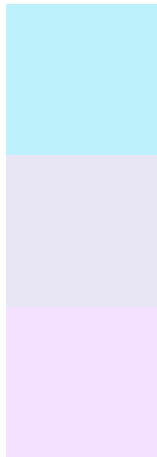


This preview shows how white text looks on a background with the Yxy color 80.7577, 0.2748, 0.3170.

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

80.7577, 0.2748, 0.3170

Protanopia

80.3420, 0.3047, 0.3136

Deuteranopia

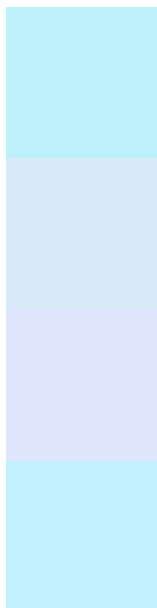
80.1251, 0.3059, 0.2992



Tritanopia

80.9588, 0.2781, 0.3119

Trichromacy



Original Color

80.7577, 0.2748, 0.3170

Protanomaly

80.2219, 0.2926, 0.3143

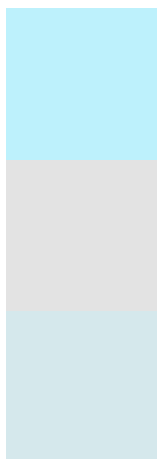
Deuteranomaly

79.9956, 0.2934, 0.3053

Tritanomaly

81.0780, 0.2770, 0.3139

Monochromacy



Original Color

80.7577, 0.2748, 0.3170

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.9155, 0.2977, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7577, 0.2748, 0.3170 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(189, 241, 252)` looks like.

```
.text, #text, p{  
    color:rgb(189, 241, 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(189, 241, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 241, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.7577, 0.2748, 0.3170 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(189, 241, 252) }
```

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

```
.border{ border-color:rgb(189, 241, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 241, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 241, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 241, 252);  
box-shadow:4px 4px 4px 4px rgb(189, 241,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7577, 0.2748, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 241, 252) }
```

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

```
.background{ background-color: rgb(189,  
241, 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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