

Converting Colors

$Yxy(80.2308, 0.2742, 0.3148)$

Have a look what the booklet for
Yxy(80.2308, 0.2742, 0.3148)
contains.

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Color

Yxy(80.2308, 0.2742, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	BDF0FD
RGB	189, 240, 253
RGB Percent	74%, 94%, 99%
CMY	0.2587, 0.0588, 0.0078
CMYK	0.25, 0.05, 0.00, 0.01
HSL	192°, 94%, 87%
HSV	192°, 25%, 99%
XYZ	69.8834, 80.2308, 104.7486
YIQ	226.2330, -34.5690, -6.7690

Conversions

Conversions Part 2

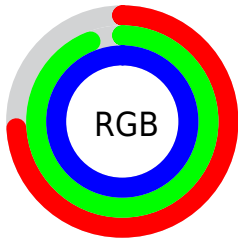
Format	Color
RYB	189, 217, 253
Decimal	12447997
CIELab	91.79, -13.32, -11.59
CIElCh	92, 17.661, 221.032
Yxy	80.2308, 0.2742, 0.3148
Android (android.graphics.Color)	4290638077 (0xFFBDF0FD)
YUV	226.2330, 13.1961, -32.6533
Hunter-Lab	89.5716, -17.4855, -6.6359

Details

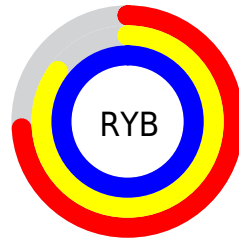
The Yxy color **80.2308, 0.2742, 0.3148** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8289, 0.3633, 0.3427**, and the grayscale version is **76.1584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **43.3348, 0.2659, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **74.2856, 0.2600, 0.3083**, and if you desaturate by 10%, it is **86.8330, 0.2891, 0.3208**.

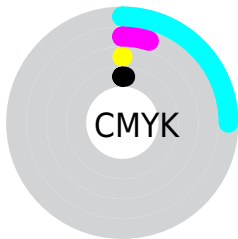
Distribution



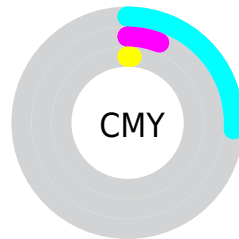
- Red (74%)
- Green (94%)
- Blue (99%)



- Red (74%)
- Yellow (85%)
- Blue (99%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)




- Cyan (26%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2308, 0.2742, 0.3148 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 80.2308, 0.2742, 0.3148 by changing the saturation by 10% instead.

 80.2308, 0.2742,
0.3148

 80.2308, 0.2742,
0.3148


495.7103, 0.2915,
0.3215

 59.9083, 0.2704,
0.3132


 133.6902, 0.2801,
0.3172

 43.3447, 0.2657,
0.3113


167.5958, 0.2824,
0.3181

 30.1557, 0.2599,
0.3088


206.7980, 0.2844,
0.3188

 19.9568, 0.2525,
0.3056

251.6811, 0.2862,
0.3195

 12.3636, 0.2427,
0.3011

302.6295, 0.2877,
0.3201

 6.9918, 0.2292,
0.2946

360.0275, 0.2891,

 3.4570, 0.2093,

0.3206

0.2845

424.2597, 0.2904,
0.3211

■ 1.3747, 0.1778,
0.2664

■ 0.1980, 0.0000,
0.1616

■ 80.2308, 0.2742,
0.3148

■ 80.2308, 0.2742,
0.3148

■ 74.2856, 0.2600,
0.3083

■ 86.8330, 0.2891,
0.3208

■ 68.9576, 0.2470,
0.3015

■ 94.1104, 0.3045,
0.3263

■ 64.2175, 0.2354,
0.2943

■ 99.8733, 0.3139,
0.3309

■ 60.0292, 0.2254,
0.2869

■ 56.3519, 0.2174,
0.2793

■ 53.1385, 0.2114,
0.2718

■ 50.3307, 0.2073,
0.2644

■ 49.1097, 0.2058,
0.2609

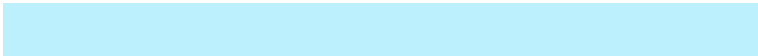
Harmonies

Analogous

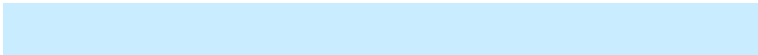
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2308, 0.2829, 0.3336



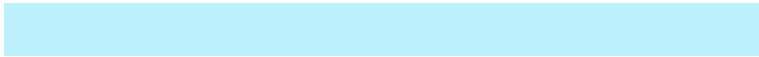
80.2308, 0.2742, 0.3148



80.2308, 0.2754, 0.3007

Triad

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



80.2308, 0.2742, 0.3148



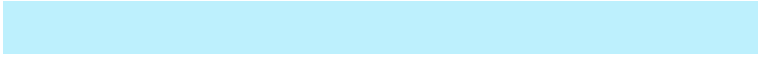
80.2308, 0.3252, 0.3077



80.2308, 0.3392, 0.3648

Complementary

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



80.2308, 0.2742, 0.3148



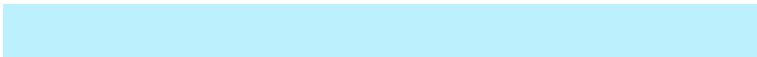
66.8289, 0.3633, 0.3427

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.



80.2308, 0.3513, 0.3563



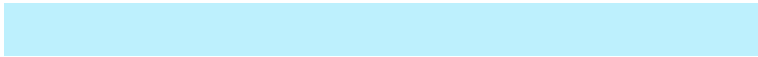
80.2308, 0.2742, 0.3148



80.2308, 0.3432, 0.3235

Square

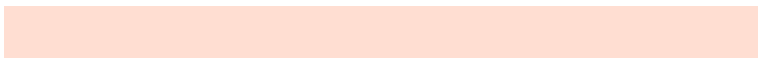
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2308, 0.2742, 0.3148



80.2308, 0.3043, 0.2973



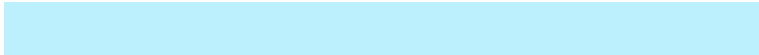
80.2308, 0.3529, 0.3411



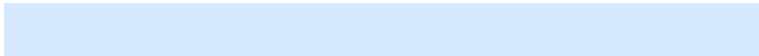
80.2308, 0.3201, 0.3634

Rectangle

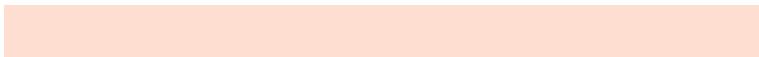
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



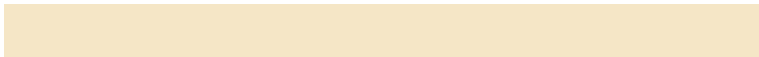
80.2308, 0.2742, 0.3148



80.2308, 0.2816, 0.2957



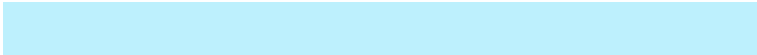
80.2308, 0.3529, 0.3411



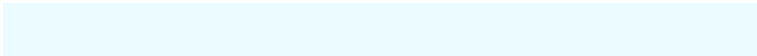
80.2308, 0.3442, 0.3629

Sweetspot

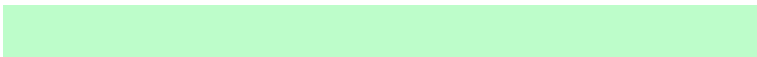
The Sweet Spot groups the original color and five complimentary colors.



80.2340, 0.2742, 0.3148



93.7134, 0.3003, 0.3249



85.3432, 0.3023, 0.3865



19.8164, 0.2980, 0.3240



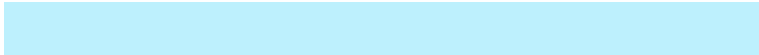
0.0000, 0.0000, 0.0000



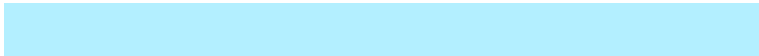
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2340, 0.2742, 0.3148



78.7286, 0.2674, 0.3118



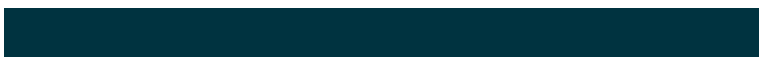
63.1383, 0.2710, 0.2789



19.8164, 0.2980, 0.3240



26.3337, 0.2061, 0.2621



2.7153, 0.2085, 0.2706

Inverse Universe

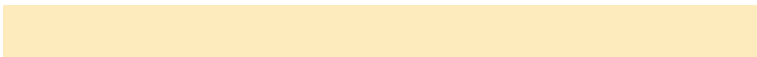
The Inverse Universe completely reimagines the original color for something new.



63.5856, 0.3254, 0.2779



59.5575, 0.3282, 0.2681



83.3078, 0.3555, 0.3745



18.2333, 0.3169, 0.3103



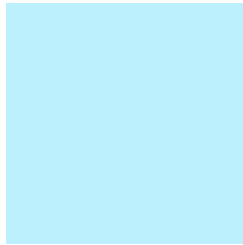
13.3864, 0.3804, 0.1869



1.3187, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 80.2308, 0.2742, 0.3148 looks on a white background.

Color Contrast Check

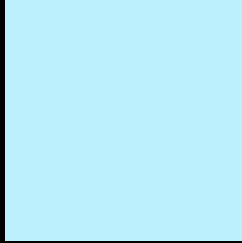
Large Text (above 18pt) WCAG AA × Fail

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 80.2308, 0.2742, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

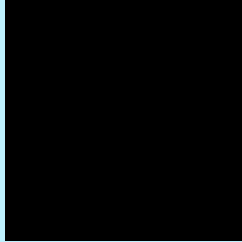
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2308, 0.2742, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 80.2308, 0.2742, 0.3148.

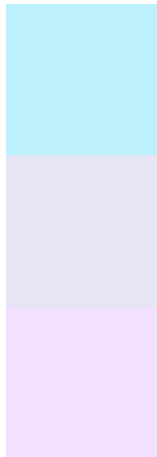


This preview shows how white text looks on a background with the Yxy color 80.2308, 0.2742, 0.3148.

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

80.2308, 0.2742, 0.3148

Protanopia

79.5154, 0.3028, 0.3115

Deuteranopia

79.7712, 0.3046, 0.2991



Tritanopia

80.1048, 0.2769, 0.3107

Trichromacy



Original Color

80.2308, 0.2742, 0.3148

Protanomaly

79.5645, 0.2913, 0.3121

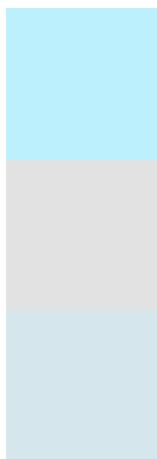
Deuteranomaly

79.2790, 0.2928, 0.3042

Tritanomaly

80.2262, 0.2758, 0.3128

Monochromacy



Original Color

80.2308, 0.2742, 0.3148

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.3541, 0.2977, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2308, 0.2742, 0.3148 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, 240, 253)` looks like.

```
.text, #text, p{  
    color:rgb(189, 240, 253)  
}
```

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, 240, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 240, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.2308, 0.2742, 0.3148 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, 240, 253) }
```

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

```
.border{ border-color:rgb(189, 240, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 240, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 240, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 240, 253);  
box-shadow:4px 4px 4px 4px rgb(189, 240,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2308, 0.2742, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 240, 253) }
```

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

```
.background{ background-color: rgb(189,  
240, 253) }
```

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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