

Converting Colors

$Yxy(80.8330, 0.2703, 0.3148)$

Have a look what the booklet for
Yxy(80.8330, 0.2703, 0.3148)
contains.

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Color

Yxy(80.7915, 0.2701, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	B7F2FF
RGB	183, 242, 255
RGB Percent	72%, 95%, 100%
CMY	0.2825, 0.0509, 0.0001
CMYK	0.28, 0.05, 0.00, 0.00
HSL	191°, 100%, 86%
HSV	191°, 28%, 100%
XYZ	69.3195, 80.7915, 106.5329
YIQ	225.8410, -39.3370, -8.4650

Conversions

Conversions Part 2

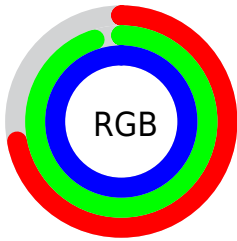
Format	Color
R _Y B	183, 215, 255
Decimal	12055295
CIE Lab	92.04, -15.62, -12.28
CIE LCh	92, 19.866, 218.168
Yxy	80.7915, 0.2701, 0.3148
Android (android.graphics.Color)	4290245375 (0xFFB7F2FF)
YUV	225.8410, 14.3754, -37.5716
Hunter-Lab	89.8841, -19.6362, -7.3531

Details

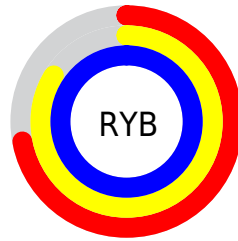
The Yxy color **80.7915, 0.2701, 0.3148** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.1179, 0.3714, 0.3427**, and the grayscale version is **75.8429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **43.7842, 0.2611, 0.3119** is the 20% darker color. If you saturate the color by 10%, you get **75.2486, 0.2564, 0.3090**, and if you desaturate by 10%, it is **86.9758, 0.2847, 0.3202**.

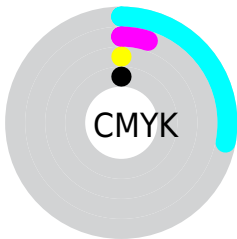
Distribution



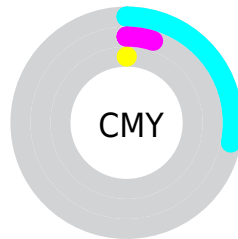
- Red (72%)
- Green (95%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7915, 0.2701, 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 80.7915, 0.2701, 0.3148 by changing the saturation by 10% instead.

80.7915, 0.2701,
0.3148

80.7915, 0.2701,
0.3148

497.5963, 0.2892,
0.3216

60.3699, 0.2659,
0.3132

134.4780, 0.2766,
0.3172

43.7168, 0.2608,
0.3113

168.5116, 0.2791,
0.3181

30.4480, 0.2544,
0.3087

207.8514, 0.2814,
0.3189

20.1789, 0.2463,
0.3054

252.8817, 0.2833,
0.3196

12.5251, 0.2357,
0.3008

303.9870, 0.2850,
0.3202

7.1024, 0.2210,
0.2942

361.5516, 0.2866,

3.5262, 0.1996,

0.3207

0.2836

425.9599, 0.2879,
0.3211

1.4122, 0.1663,
0.2649

0.2257, 0.0000,
0.1689

80.7915, 0.2701,
0.3148

80.7915, 0.2701,
0.3148

75.2486, 0.2564,
0.3090

86.9758, 0.2847,
0.3202

70.3062, 0.2440,
0.3029

93.8205, 0.2999,
0.3252

65.9336, 0.2332,
0.2965

99.9989, 0.3127,
0.3290

62.0931, 0.2242,
0.2900

■ 58.7417, 0.2171,
0.2834

■ 55.8287, 0.2119,
0.2768

■ 53.2844, 0.2086,
0.2703

■ 52.8598, 0.2081,
0.2692

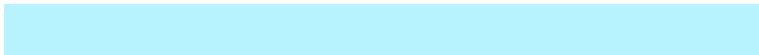
Harmonies

Analogous

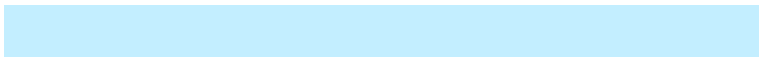
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7915, 0.2808, 0.3362



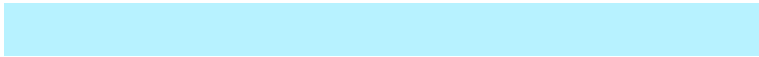
80.7915, 0.2701, 0.3148



80.7915, 0.2703, 0.2984

Triad

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



80.7915, 0.2701, 0.3148



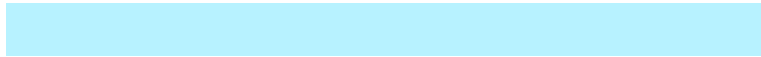
80.7915, 0.3244, 0.3038



80.7915, 0.3441, 0.3687

Complementary

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



80.7915, 0.2701, 0.3148



64.1179, 0.3714, 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.



80.7915, 0.3568, 0.3581



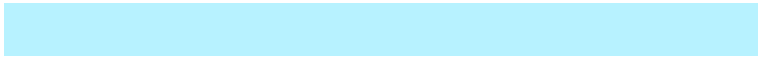
80.7915, 0.2701, 0.3148



80.7915, 0.3453, 0.3209

Square

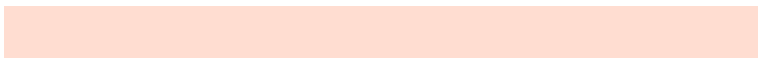
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



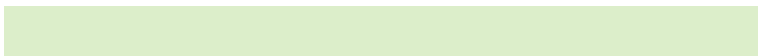
80.7915, 0.2701, 0.3148



80.7915, 0.3010, 0.2929



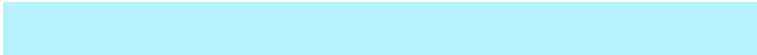
80.7915, 0.3573, 0.3405



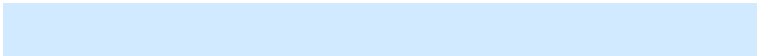
80.7915, 0.3232, 0.3684

Rectangle

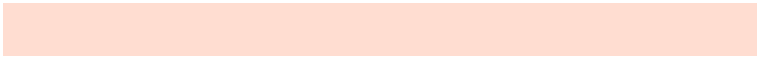
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



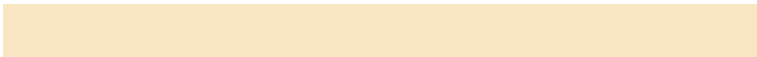
80.7915, 0.2701, 0.3148



80.7915, 0.2766, 0.2922



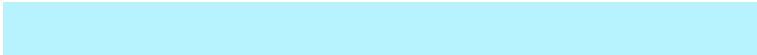
80.7915, 0.3573, 0.3405



80.7915, 0.3495, 0.3662

Sweetspot

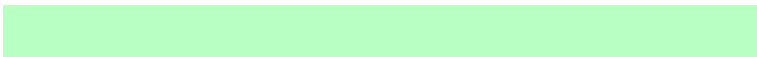
The Sweet Spot groups the original color and five complimentary colors.



80.7947, 0.2701, 0.3148



94.0134, 0.3003, 0.3253



85.5092, 0.3024, 0.3972



19.8924, 0.2980, 0.3246



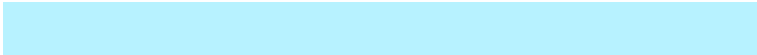
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.7947, 0.2701, 0.3148



77.5408, 0.2621, 0.3115



61.8888, 0.2659, 0.2749



19.8924, 0.2980, 0.3246



27.8262, 0.2084, 0.2703



2.8478, 0.2105, 0.2777

Inverse Universe

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



61.5167, 0.3258, 0.2702



55.6314, 0.3291, 0.2581



81.8108, 0.3617, 0.3777



18.2409, 0.3166, 0.3097



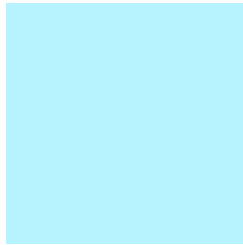
13.5370, 0.3726, 0.1826



1.3320, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 80.7915, 0.2701, 0.3148 looks on a white background.

Color Contrast Check

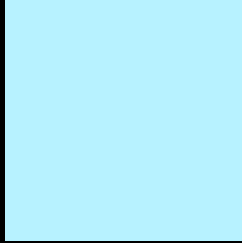
Large Text (above 18pt) WCAG AA × Fail

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 80.7915, 0.2701, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

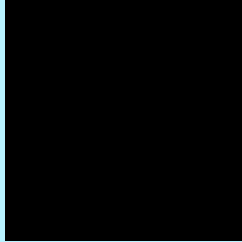
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7915, 0.2701, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 80.7915, 0.2701, 0.3148.

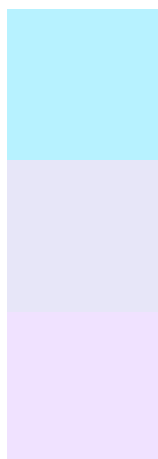


This preview shows how white text looks on a background with the Yxy color 80.7915, 0.2701, 0.3148.

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

80.7915, 0.2701, 0.3148

Protanopia

80.3599, 0.3022, 0.3106

Deuteranopia

80.1380, 0.3039, 0.3000



Tritanopia

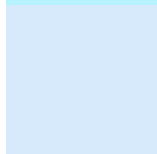
80.5551, 0.2764, 0.3118

Trichromacy



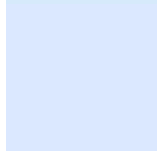
Original Color

80.7915, 0.2701, 0.3148



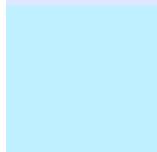
Protanomaly

80.1068, 0.2896, 0.3111



Deuteranomaly

79.9933, 0.2904, 0.3051



Tritanomaly

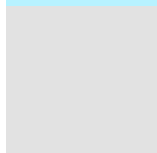
80.6165, 0.2743, 0.3128

Monochromacy



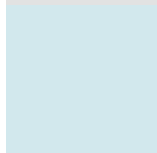
Original Color

80.7915, 0.2701, 0.3148



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.5293, 0.2952, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7915, 0.2701, 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(183, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 242, 255)  
}
```

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(183, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.7915, 0.2701, 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(183, 242, 255) }
```

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

```
.border{ border-color:rgb(183, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7915, 0.2701, 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(183, 242, 255) }
```

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

```
.background{ background-color: rgb(183,  
242, 255) }
```

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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