

Converting Colors

$Y_{xy}(82.1299, 0.2751, 0.3153)$

Have a look what the booklet for
Yxy(82.1299, 0.2751, 0.3153)
contains.

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Color

Yxy(81.9307, 0.2750, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	C0F2FF
RGB	192, 242, 255
RGB Percent	75%, 95%, 100%
CMY	0.2473, 0.0509, 0.0001
CMYK	0.25, 0.05, 0.00, 0.00
HSL	192°, 100%, 88%
HSV	192°, 25%, 100%
XYZ	71.5268, 81.9307, 106.6400
YIQ	228.5320, -33.9730, -6.5570

Conversions

Conversions Part 2

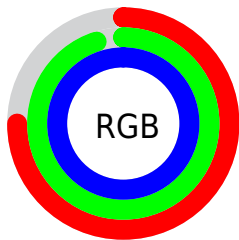
Format	Color
RYB	192, 220, 255
Decimal	12645119
CIELab	92.54, -13.07, -11.47
CIELCh	93, 17.391, 221.273
Yxy	81.9307, 0.2750, 0.3150
Android (android.graphics.Color)	4290835199 (0xFFC0F2FF)
YUV	228.5320, 13.0487, -32.0386
Hunter-Lab	90.5156, -17.3488, -6.4910

Details

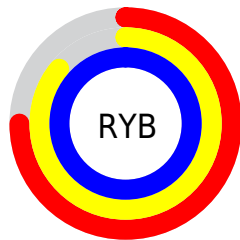
The Yxy color **81.9307, 0.2750, 0.3150** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.6795, 0.3619, 0.3425**, and the grayscale version is **77.9077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **44.5134, 0.2670, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **75.8124, 0.2608, 0.3085**, and if you desaturate by 10%, it is **88.7217, 0.2900, 0.3210**.

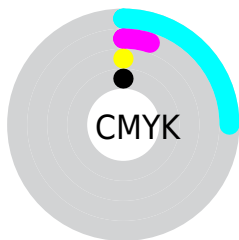
Distribution



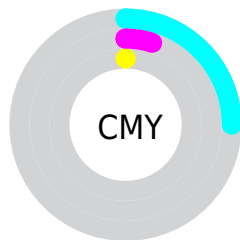
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9307, 0.2750, 0.3150 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 81.9307, 0.2750, 0.3150 by changing the saturation by 10% instead.

81.9307, 0.2750,
0.3150

81.9307, 0.2750,
0.3150

501.4159, 0.2919,
0.3216

61.3084, 0.2713,
0.3135

136.0768, 0.2807,
0.3173

44.4741, 0.2668,
0.3116

170.3694, 0.2830,
0.3182

31.0434, 0.2611,
0.3092

209.9876, 0.2850,
0.3190

20.6319, 0.2540,
0.3060

255.3158, 0.2867,
0.3196

12.8552, 0.2445,
0.3017

306.7383, 0.2882,
0.3202

7.3289, 0.2315,
0.2955

364.6395, 0.2896,

3.6686, 0.2124,

0.3207

0.2858

429.4039, 0.2908,
0.3212

1.4900, 0.1824,
0.2688

0.2817, 0.0000,
0.2015

81.9307, 0.2750,
0.3150

81.9307, 0.2750,
0.3150

75.8124, 0.2608,
0.3085

88.7217, 0.2900,
0.3210

70.3263, 0.2476,
0.3016

96.2038, 0.3054,
0.3266

65.4427, 0.2359,
0.2943

99.9992, 0.3127,
0.3290

61.1250, 0.2258,
0.2868

■ 57.3320, 0.2177,
0.2792

■ 54.0160, 0.2115,
0.2716

■ 51.1183, 0.2073,
0.2641

■ 49.7148, 0.2056,
0.2601

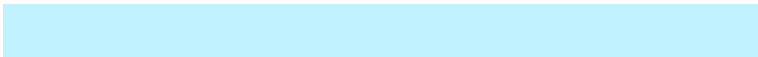
Harmonies

Analogous

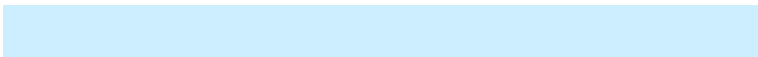
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9307, 0.2835, 0.3334



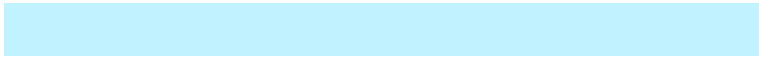
81.9307, 0.2750, 0.3150



81.9307, 0.2762, 0.3013

Triad

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



81.9307, 0.2750, 0.3150



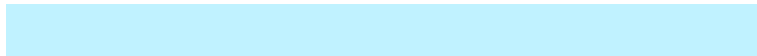
81.9307, 0.3251, 0.3083



81.9307, 0.3385, 0.3640

Complementary

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



81.9307, 0.2750, 0.3150



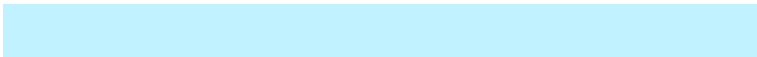
68.6795, 0.3619, 0.3425

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.



81.9307, 0.3504, 0.3558



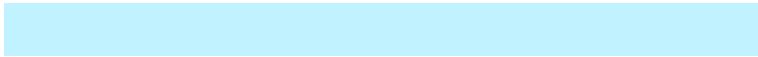
81.9307, 0.2750, 0.3150



81.9307, 0.3426, 0.3237

Square

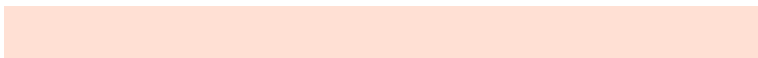
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9307, 0.2750, 0.3150



81.9307, 0.3046, 0.2980



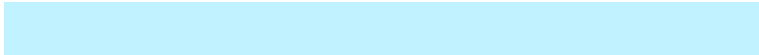
81.9307, 0.3520, 0.3409



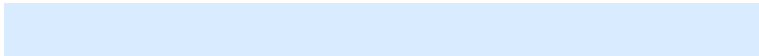
81.9307, 0.3198, 0.3625

Rectangle

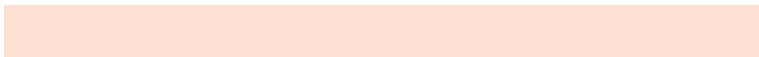
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9307, 0.2750, 0.3150



81.9307, 0.2824, 0.2964



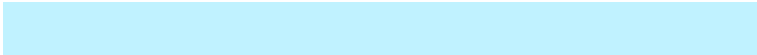
81.9307, 0.3520, 0.3409



81.9307, 0.3434, 0.3622

Sweetspot

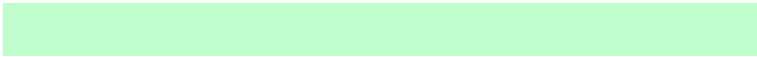
The Sweet Spot groups the original color and five complimentary colors.



81.9340, 0.2750, 0.3150



94.4502, 0.3018, 0.3254



87.0967, 0.3026, 0.3850



20.1173, 0.3009, 0.3250



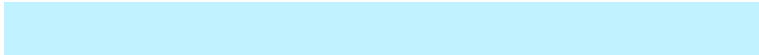
0.0000, 0.0000, 0.0000



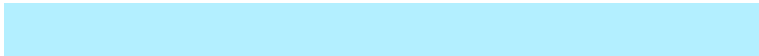
21.4041, 0.3127, 0.3290

Same Dimension

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



81.9340, 0.2750, 0.3150



78.6328, 0.2674, 0.3116



64.9343, 0.2719, 0.2802



19.8095, 0.2980, 0.3240



26.2011, 0.2059, 0.2614



2.7035, 0.2083, 0.2699

Inverse Universe

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



65.3429, 0.3251, 0.2792



59.5478, 0.3284, 0.2683



85.0939, 0.3544, 0.3735



18.2326, 0.3170, 0.3103



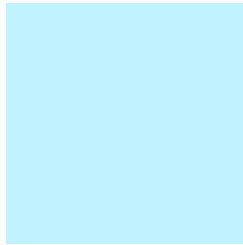
13.3730, 0.3811, 0.1873



1.3175, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 81.9307, 0.2750, 0.3150 looks on a white background.

Color Contrast Check

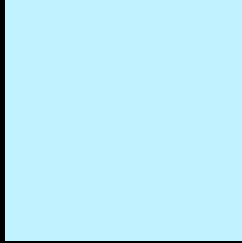
Large Text (above 18pt) WCAG AA × Fail

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 81.9307, 0.2750, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

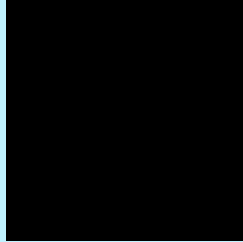
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9307, 0.2750, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 81.9307, 0.2750, 0.3150.

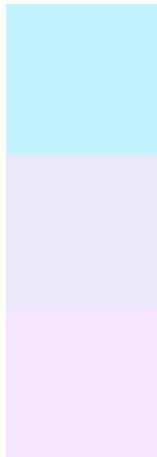


This preview shows how white text looks on a background with the Yxy color 81.9307, 0.2750, 0.3150.

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

81.9307, 0.2750, 0.3150

Protanopia

81.8764, 0.3029, 0.3117

Deuteranopia

81.7615, 0.3059, 0.3022



Tritanopia

81.5096, 0.2805, 0.3120

Trichromacy



Original Color

81.9307, 0.2750, 0.3150

Protanomaly

81.8614, 0.2922, 0.3134

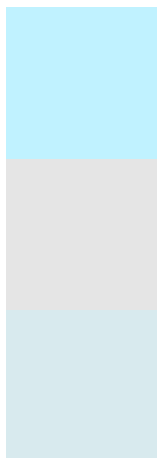
Deuteranomaly

81.3451, 0.2935, 0.3064

Tritanomaly

81.5459, 0.2782, 0.3130

Monochromacy



Original Color

81.9307, 0.2750, 0.3150

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.6176, 0.2984, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9307, 0.2750, 0.3150 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(192, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.9307, 0.2750, 0.3150 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(192, 242, 255) }
```

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

```
.border{ border-color:rgb(192, 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(192, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9307, 0.2750, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 242, 255) }
```

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

```
.background{ background-color: rgb(192,  
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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