

Converting Colors

Yxy(81.2015, 0.2686, 0.3162)

Have a look what the booklet for
Yxy(81.2015, 0.2686, 0.3162)
contains.

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Color

Yxy(81.0245, 0.2686, 0.3158)

Conversions

Conversions Part 1

Format	Color
Hex	B4F3FF
RGB	180, 243, 255
RGB Percent	71%, 95%, 100%
CMY	0.2944, 0.0470, 0.0000
CMYK	0.29, 0.05, 0.00, 0.00
HSL	190°, 100%, 85%
HSV	190°, 29%, 100%
XYZ	68.9144, 81.0245, 106.6301
YIQ	225.5310, -41.4000, -9.6240

Conversions

Conversions Part 2

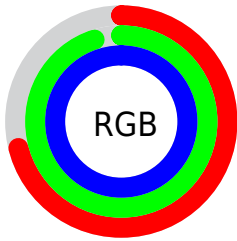
Format	Color
R_{YB}	180, 214, 255
Decimal	11858943
CIE _{Lab}	92.14, -16.94, -12.16
CIE _{LCh}	92, 20.855, 215.660
Yxy	81.0245, 0.2686, 0.3158
Android (android.graphics.Color)	4290049023 (0xFFB4F3FF)
YUV	225.5310, 14.5282, -39.9307
Hunter-Lab	90.0136, -20.8642, -7.2254

Details

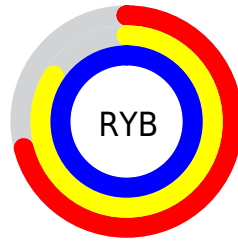
The Yxy color **81.0245, 0.2686, 0.3158** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.2193, 0.3751, 0.3417**, and the grayscale version is **75.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **43.9778, 0.2594, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **75.8334, 0.2553, 0.3107**, and if you desaturate by 10%, it is **86.8365, 0.2830, 0.3207**.

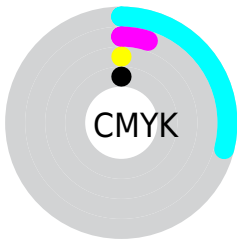
Distribution



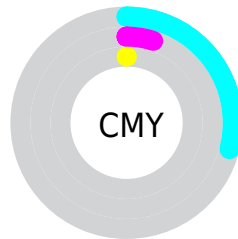
- Red (71%)
- Green (95%)
- Blue (100%)



- Red (71%)
- Yellow (84%)
- Blue (100%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0245, 0.2686, 0.3158 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 81.0245, 0.2686, 0.3158 by changing the saturation by 10% instead.

81.0245, 0.2686,
0.3158

81.0245, 0.2686,
0.3158

498.3788, 0.2883,
0.3221

60.5618, 0.2643,
0.3143

134.8052, 0.2753,
0.3180

43.8716, 0.2590,
0.3125

168.8919, 0.2780,
0.3189

30.5696, 0.2524,
0.3101

208.2888, 0.2802,
0.3196

20.2713, 0.2441,
0.3069

253.3802, 0.2823,
0.3203

12.5924, 0.2331,
0.3025

304.5505, 0.2840,
0.3208

7.1485, 0.2180,
0.2961

362.1841, 0.2856,

3.5551, 0.1961,

0.3213

0.2860

426.6654, 0.2870,
0.3217

1.4280, 0.1620,
0.2678

0.2372, 0.0000,
0.1753

81.0245, 0.2686,
0.3158

81.0245, 0.2686,
0.3158

75.8334, 0.2553,
0.3107

86.8365, 0.2830,
0.3207

71.2259, 0.2433,
0.3052

93.2924, 0.2981,
0.3251

67.1699, 0.2329,
0.2996

100.0000, 0.3127,
0.3290

63.6272, 0.2244,
0.2938

■ 60.5542, 0.2178,
0.2880

■ 57.8994, 0.2132,
0.2823

■ 55.5831, 0.2102,
0.2766

■ 55.4571, 0.2101,
0.2763

Harmonies

Analogous

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



81.0245, 0.2806, 0.3385



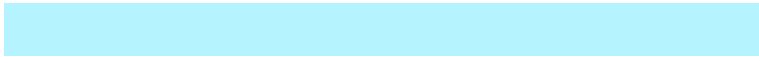
81.0245, 0.2686, 0.3158



81.0245, 0.2679, 0.2980

Triad

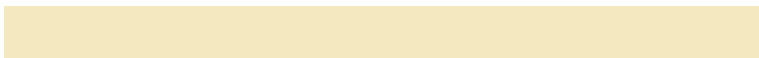
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0245, 0.2686, 0.3158



81.0245, 0.3229, 0.3014



81.0245, 0.3471, 0.3701

Complementary

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



81.0245, 0.2686, 0.3158



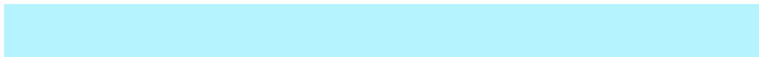
62.2193, 0.3751, 0.3417

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.



81.0245, 0.3595, 0.3581



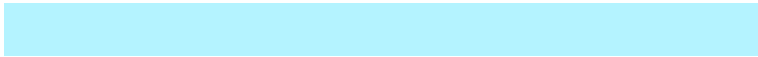
81.0245, 0.2686, 0.3158



81.0245, 0.3454, 0.3188

Square

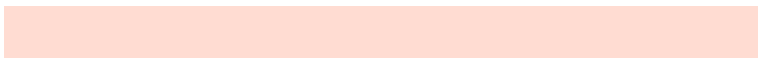
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0245, 0.2686, 0.3158



81.0245, 0.2985, 0.2907



81.0245, 0.3589, 0.3393



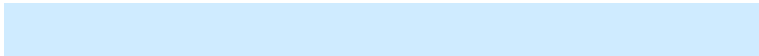
81.0245, 0.3257, 0.3709

Rectangle

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



81.0245, 0.2686, 0.3158



81.0245, 0.2738, 0.2910



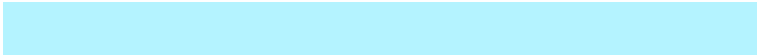
81.0245, 0.3589, 0.3393



81.0245, 0.3525, 0.3671

Sweetspot

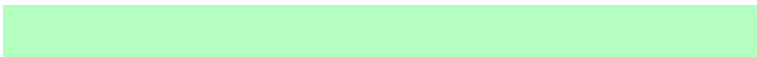
The Sweet Spot groups the original color and five complimentary colors.



81.0265, 0.2686, 0.3158



93.5884, 0.2988, 0.3253



84.9865, 0.3027, 0.4020



19.8210, 0.2965, 0.3247



0.0000, 0.0000, 0.0000



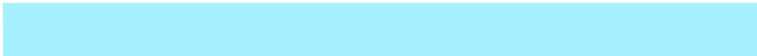
21.4041, 0.3127, 0.3290

Same Dimension

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



81.0265, 0.2686, 0.3158



78.0624, 0.2610, 0.3130



61.1606, 0.2640, 0.2737



19.9583, 0.2980, 0.3251



29.1622, 0.2104, 0.2772



2.9659, 0.2122, 0.2838

Inverse Universe

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



60.3505, 0.3253, 0.2663



54.7775, 0.3282, 0.2544



80.4417, 0.3644, 0.3786



18.2476, 0.3163, 0.3093



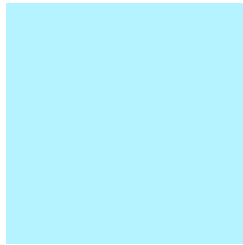
13.6719, 0.3660, 0.1790



1.3440, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 81.0245, 0.2686, 0.3158 looks on a white background.

Color Contrast Check

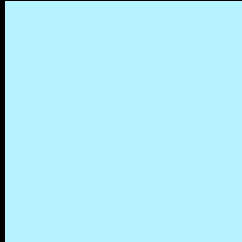
Large Text (above 18pt) WCAG AA × Fail

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 81.0245, 0.2686, 0.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

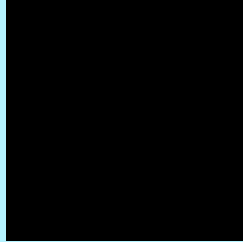
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.0245, 0.2686, 0.3158

Background



This preview shows how black text looks on a background with the Yxy color 81.0245, 0.2686, 0.3158.

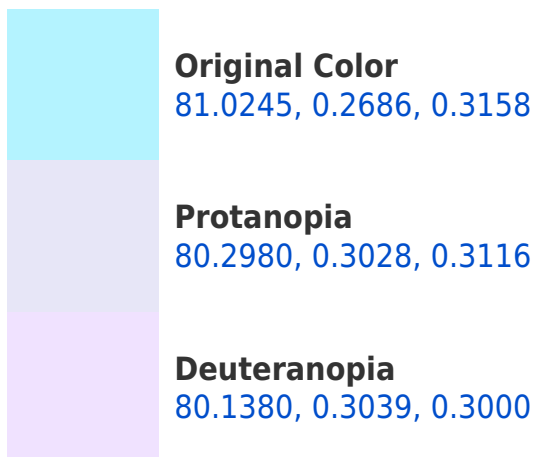


This preview shows how white text looks on a background with the Yxy color 81.0245, 0.2686, 0.3158.

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

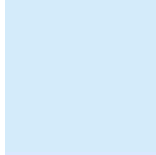
81.0095, 0.2760, 0.3128

Trichromacy



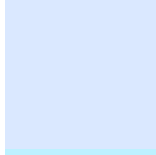
Original Color

81.0245, 0.2686, 0.3158



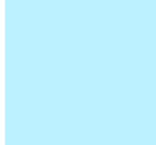
Protanomaly

80.3158, 0.2890, 0.3132



Deuteranomaly

79.8387, 0.2897, 0.3051



Tritanomaly

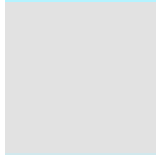
80.9494, 0.2733, 0.3138

Monochromacy



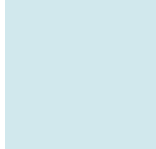
Original Color

81.0245, 0.2686, 0.3158



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.3830, 0.2945, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0245, 0.2686, 0.3158 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(180, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 243, 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(180, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.0245, 0.2686, 0.3158 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(180, 243, 255) }
```

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

```
.border{ border-color:rgb(180, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0245, 0.2686, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 243, 255) }
```

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

```
.background{ background-color: rgb(180,  
243, 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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