

Converting Colors

$Yxy(81.2110, 0.2648, 0.3177)$

Have a look what the booklet for
Yxy(81.2110, 0.2648, 0.3177)
contains.

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Color

Yxy(81.2955, 0.2648, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	ACF5FF
RGB	172, 245, 255
RGB Percent	67%, 96%, 100%
CMY	0.3254, 0.0392, 0.0001
CMYK	0.33, 0.04, 0.00, 0.00
HSL	187°, 100%, 84%
HSV	187°, 33%, 100%
XYZ	67.7164, 81.2955, 106.7147
YIQ	224.3130, -46.7180, -12.3660

Conversions

Conversions Part 2

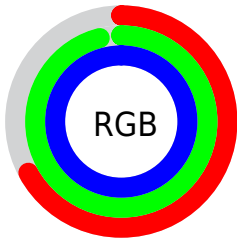
Format	Color
RYB	172, 211, 255
Decimal	11335167
CIELab	92.26, -20.08, -12.00
CIElCh	92, 23.396, 210.867
Yxy	81.2955, 0.2648, 0.3179
Android (android.graphics.Color)	4289525247 (0xFFACF5FF)
YUV	224.3130, 15.1287, -45.8785
Hunter-Lab	90.1640, -23.7271, -7.0586

Details

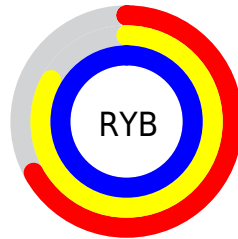
The Yxy color **81.2955, 0.2648, 0.3179** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6934, 0.3851, 0.3397**, and the grayscale version is **74.6959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **44.1854, 0.2545, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **76.8439, 0.2522, 0.3140**, and if you desaturate by 10%, it is **86.3378, 0.2786, 0.3216**.

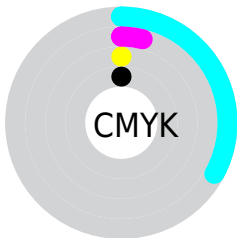
Distribution



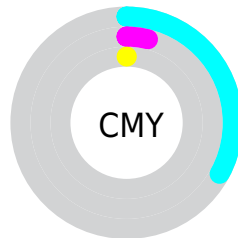
- Red (67%)
- Green (96%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2955, 0.2648, 0.3179 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 81.2955, 0.2648, 0.3179 by changing the saturation by 10% instead.

81.2955, 0.2648,
0.3179

81.2955, 0.2648,
0.3179

499.2881, 0.2862,
0.3233

60.7850, 0.2601,
0.3166

135.1856, 0.2721,
0.3198

44.0517, 0.2544,
0.3150

169.3340, 0.2749,
0.3206

30.7111, 0.2473,
0.3128

208.7972, 0.2774,
0.3212

20.3790, 0.2383,
0.3100

253.9595, 0.2796,
0.3218

12.6708, 0.2265,
0.3060

305.2053, 0.2815,
0.3222

7.2023, 0.2104,
0.3001

362.9191, 0.2832,

3.5889, 0.1871,

0.3227

0.2906

427.4852, 0.2848,
0.3230

■ 1.4464, 0.1511,
0.2731

■ 0.2505, 0.0000,
0.1828

■ 81.2955, 0.2648,
0.3179

■ 81.2955, 0.2648,
0.3179

■ 76.8439, 0.2522,
0.3140

■ 86.3378, 0.2786,
0.3216

■ 72.9415, 0.2412,
0.3099

■ 91.9905, 0.2934,
0.3251

■ 69.5562, 0.2319,
0.3057

■ 98.2842, 0.3088,
0.3282

■ 66.6488, 0.2245,
0.3014

99.9989, 0.3127,
0.3290

■ 64.1738, 0.2191,
0.2971

■ 62.0762, 0.2155,
0.2929

■ 60.6961, 0.2138,
0.2898

Harmonies

Analogous

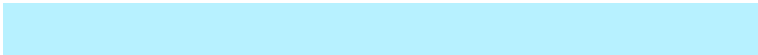
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2955, 0.2800, 0.3437



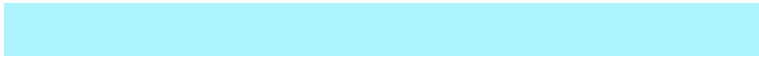
81.2955, 0.2648, 0.3179



81.2955, 0.2619, 0.2968

Triad

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



81.2955, 0.2648, 0.3179



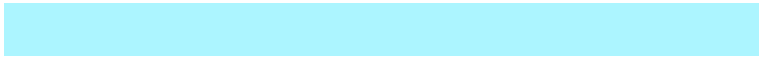
81.2955, 0.3197, 0.2957



81.2955, 0.3543, 0.3736

Complementary

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



81.2955, 0.2648, 0.3179



57.6934, 0.3851, 0.3397

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.



81.2955, 0.3661, 0.3583



81.2955, 0.2648, 0.3179



81.2955, 0.3458, 0.3141

Square

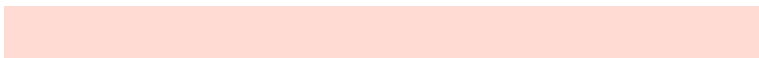
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



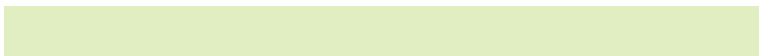
81.2955, 0.2648, 0.3179



81.2955, 0.2926, 0.2853



81.2955, 0.3631, 0.3366



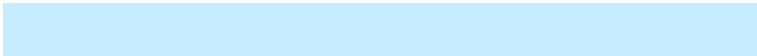
81.2955, 0.3313, 0.3770

Rectangle

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



81.2955, 0.2648, 0.3179



81.2955, 0.2672, 0.2879



81.2955, 0.3631, 0.3366



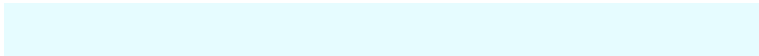
81.2955, 0.3597, 0.3696

Sweetspot

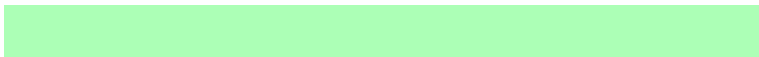
The Sweet Spot groups the original color and five complimentary colors.



81.2987, 0.2648, 0.3179



93.5387, 0.2972, 0.3259



83.6476, 0.3031, 0.4144



19.8380, 0.2951, 0.3254



0.0000, 0.0000, 0.0000



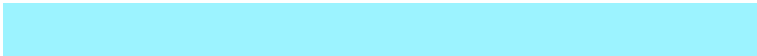
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2987, 0.2648, 0.3179



78.3658, 0.2565, 0.3154



59.0944, 0.2588, 0.2702



20.0863, 0.2980, 0.3261



31.8674, 0.2140, 0.2905



3.2035, 0.2154, 0.2953

Inverse Universe

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



57.3633, 0.3243, 0.2567



51.3594, 0.3271, 0.2426



77.1087, 0.3715, 0.3814



18.2605, 0.3157, 0.3083



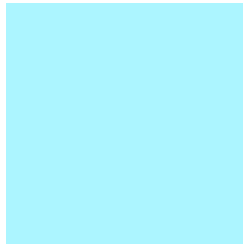
13.9450, 0.3539, 0.1723



1.3679, 0.3496, 0.1699

Previews

White Background



This preview shows how the Yxy color 81.2955, 0.2648, 0.3179 looks on a white background.

Color Contrast Check

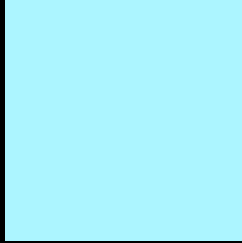
Large Text (above 18pt) WCAG AA × Fail

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 81.2955, 0.2648, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

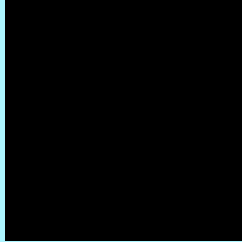
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.2955, 0.2648, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 81.2955, 0.2648, 0.3179.

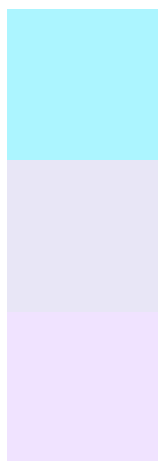


This preview shows how white text looks on a background with the Yxy color 81.2955, 0.2648, 0.3179.

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

81.2955, 0.2648, 0.3179

Protanopia

80.4033, 0.3041, 0.3126

Deuteranopia

80.6834, 0.3039, 0.3010



Tritanopia

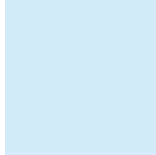
80.7466, 0.2748, 0.3128

Trichromacy



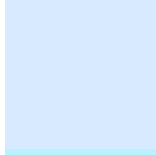
Original Color

81.2955, 0.2648, 0.3179



Protanomaly

79.9579, 0.2883, 0.3141



Deuteranomaly

80.5127, 0.2880, 0.3071



Tritanomaly

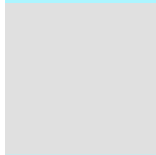
81.0385, 0.2712, 0.3148

Monochromacy



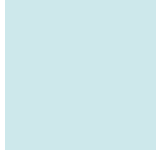
Original Color

81.2955, 0.2648, 0.3179



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.6905, 0.2931, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2955, 0.2648, 0.3179 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(172, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 245, 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(172, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.2955, 0.2648, 0.3179 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(172, 245, 255) }
```

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

```
.border{ border-color:rgb(172, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 245, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 245, 255); box-shadow:4px 4px 4px 4px rgb(172, 245, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2955, 0.2648, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 245, 255) }
```

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

```
.background{ background-color: rgb(172,  
245, 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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