

Converting Colors

$Yxy(81.6002, 0.2680, 0.3172)$

Have a look what the booklet for
Yxy(81.6002, 0.2680, 0.3172)
contains.

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Color

Yxy(81.3863, 0.2677, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	B2F4FF
RGB	178, 244, 255
RGB Percent	70%, 96%, 100%
CMY	0.3021, 0.0431, 0.0000
CMYK	0.30, 0.04, 0.00, 0.00
HSL	189°, 100%, 85%
HSV	189°, 30%, 100%
XYZ	68.7507, 81.3863, 106.6831
YIQ	225.5200, -42.8670, -10.5710

Conversions

Conversions Part 2

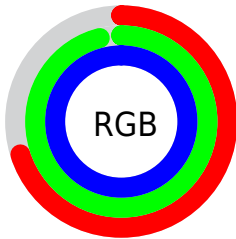
Format	Color
RYB	178, 214, 255
Decimal	11728127
CIELab	92.30, -17.99, -11.91
CIElCh	92, 21.580, 213.510
Yxy	81.3863, 0.2677, 0.3169
Android (android.graphics.Color)	4289918207 (0xFFB2F4FF)
YUV	225.5200, 14.5336, -41.6750
Hunter-Lab	90.2144, -21.8435, -6.9634

Details

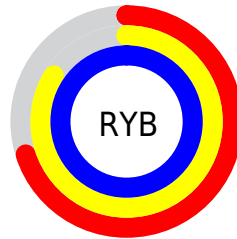
The Yxy color **81.3863, 0.2677, 0.3169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8347, 0.3777, 0.3407**, and the grayscale version is **75.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **44.2546, 0.2584, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **76.4847, 0.2546, 0.3123**, and if you desaturate by 10%, it is **86.8980, 0.2819, 0.3212**.

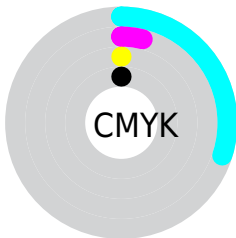
Distribution



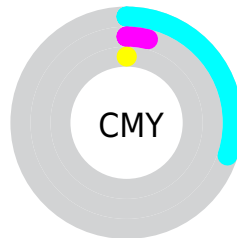
- Red (70%)
- Green (96%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3863, 0.2677, 0.3169 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 81.3863, 0.2677, 0.3169 by changing the saturation by 10% instead.


 81.3863, 0.2677,
0.3169

 81.3863, 0.2677,
0.3169

499.5926, 0.2878,
0.3228

 60.8598, 0.2633,
0.3155


 135.3131, 0.2745,
0.3190

 44.1120, 0.2579,
0.3138


169.4821, 0.2772,
0.3198

 30.7586, 0.2512,
0.3116


208.9674, 0.2796,
0.3204

 20.4151, 0.2428,
0.3086

254.1535, 0.2816,
0.3210

 12.6971, 0.2316,
0.3045

305.4246, 0.2834,
0.3215

 7.2203, 0.2163,
0.2984

363.1653, 0.2850,

 3.6003, 0.1941,

0.3220

0.2888

427.7598, 0.2865,
0.3224

■ 1.4526, 0.1598,
0.2713

■ 0.2550, 0.0000,
0.1857

■ 81.3863, 0.2677,
0.3169

■ 81.3863, 0.2677,
0.3169

■ 76.4847, 0.2546,
0.3123

■ 86.8980, 0.2819,
0.3212

■ 72.1521, 0.2429,
0.3074

■ 93.0391, 0.2969,
0.3253

■ 68.3573, 0.2329,
0.3024

■ 99.8396, 0.3124,
0.3289

■ 65.0620, 0.2248,
0.2973

■ 99.9993, 0.3127,
0.3290

■ 62.2222, 0.2186,
0.2922

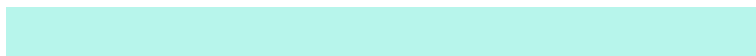
■ 59.7855, 0.2144,
0.2872

■ 57.7079, 0.2117,
0.2823

Harmonies

Analogous

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



81.3863, 0.2809, 0.3405



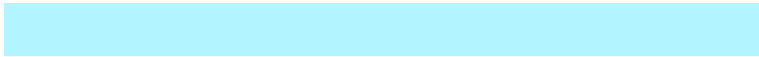
81.3863, 0.2677, 0.3169



81.3863, 0.2661, 0.2980

Triad

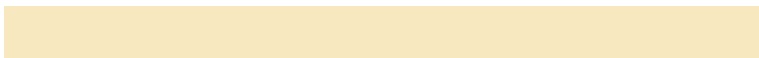
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3863, 0.2677, 0.3169



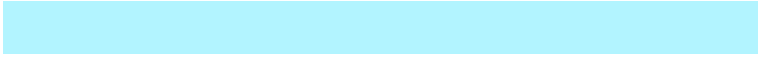
81.3863, 0.3214, 0.2995



81.3863, 0.3495, 0.3709

Complementary

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



81.3863, 0.2677, 0.3169



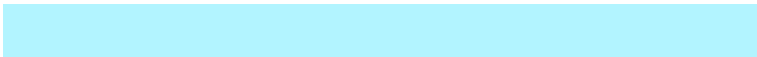
60.8347, 0.3777, 0.3407

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.



81.3863, 0.3615, 0.3578



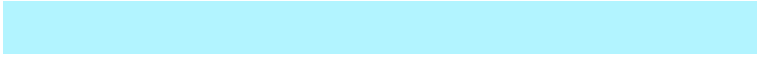
81.3863, 0.2677, 0.3169



81.3863, 0.3450, 0.3170

Square

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



81.3863, 0.2677, 0.3169



81.3863, 0.2963, 0.2890



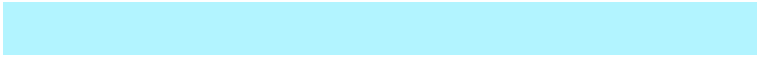
81.3863, 0.3599, 0.3381



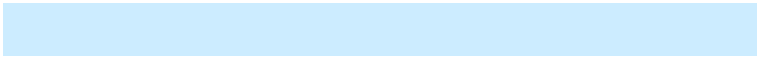
81.3863, 0.3278, 0.3727

Rectangle

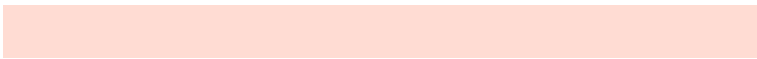
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3863, 0.2677, 0.3169



81.3863, 0.2717, 0.2903



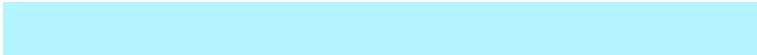
81.3863, 0.3599, 0.3381



81.3863, 0.3549, 0.3676

Sweetspot

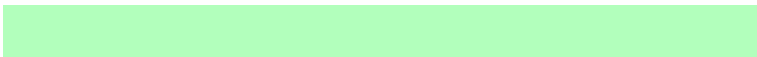
The Sweet Spot groups the original color and five complimentary colors.



81.3895, 0.2677, 0.3169



93.8359, 0.2988, 0.3257



84.6134, 0.3031, 0.4058



19.8824, 0.2965, 0.3252



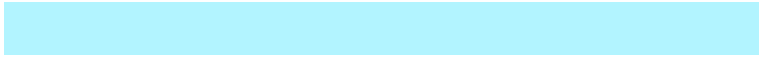
0.0000, 0.0000, 0.0000



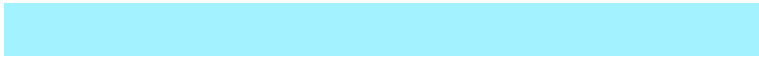
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3895, 0.2677, 0.3169



78.4860, 0.2600, 0.3143



60.9180, 0.2628, 0.2735



20.0142, 0.2980, 0.3255



30.3256, 0.2120, 0.2831



3.0683, 0.2136, 0.2888

Inverse Universe

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



59.6131, 0.3247, 0.2634



53.9316, 0.3274, 0.2509



79.2683, 0.3663, 0.3787



18.2532, 0.3160, 0.3089



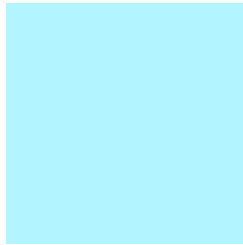
13.7894, 0.3606, 0.1760



1.3543, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 81.3863, 0.2677, 0.3169 looks on a white background.

Color Contrast Check

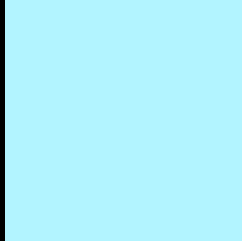
Large Text (above 18pt) WCAG AA × Fail

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 81.3863, 0.2677, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

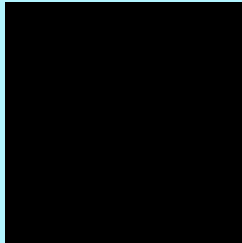
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.3863, 0.2677, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 81.3863, 0.2677, 0.3169.

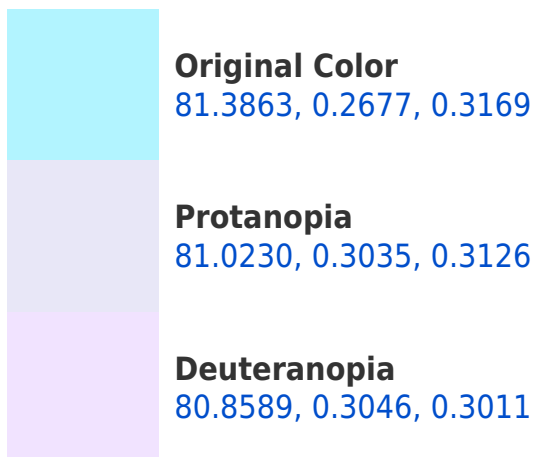


This preview shows how white text looks on a background with the Yxy color 81.3863, 0.2677, 0.3169.

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

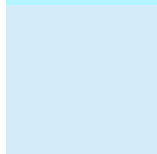
81.1423, 0.2765, 0.3129

Trichromacy



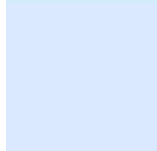
Original Color

81.3863, 0.2677, 0.3169



Protanomaly

80.8901, 0.2890, 0.3142



Deuteranomaly

80.4033, 0.2898, 0.3062



Tritanomaly

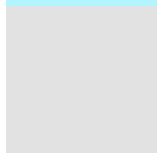
80.9494, 0.2733, 0.3138

Monochromacy



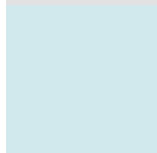
Original Color

81.3863, 0.2677, 0.3169



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9476, 0.2945, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3863, 0.2677, 0.3169 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(178, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 244, 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(178, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.3863, 0.2677, 0.3169 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(178, 244, 255) }
```

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

```
.border{ border-color:rgb(178, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3863, 0.2677, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 244, 255) }
```

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

```
.background{ background-color: rgb(178,  
244, 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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