

Converting Colors

$Yxy(81.8347, 0.2662, 0.3183)$

Have a look what the booklet for
Yxy(81.8347, 0.2662, 0.3183)
contains.

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Color

Yxy(81.6388, 0.2663, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	AFF5FF
RGB	175, 245, 255
RGB Percent	69%, 96%, 100%
CMY	0.3136, 0.0392, 0.0000
CMYK	0.31, 0.04, 0.00, 0.00
HSL	188°, 100%, 84%
HSV	188°, 31%, 100%
XYZ	68.3876, 81.6388, 106.7802
YIQ	225.2100, -44.9300, -11.7300

Conversions

Conversions Part 2

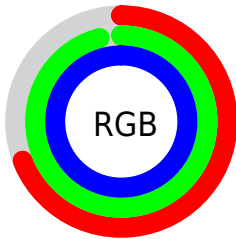
Format	Color
RYB	175, 212, 255
Decimal	11531775
CIELab	92.42, -19.27, -11.78
CIELCh	92, 22.584, 211.444
Yxy	81.6388, 0.2663, 0.3179
Android (android.graphics.Color)	4289721855 (0xFFAFF5FF)
YUV	225.2100, 14.6865, -44.0342
Hunter-Lab	90.3542, -23.0162, -6.8207

Details

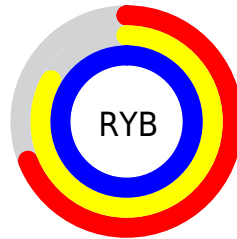
The Yxy color **81.6388, 0.2663, 0.3179** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0637, 0.3815, 0.3397**, and the grayscale version is **75.3742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **44.3943, 0.2562, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **77.0499, 0.2535, 0.3139**, and if you desaturate by 10%, it is **86.8215, 0.2803, 0.3218**.

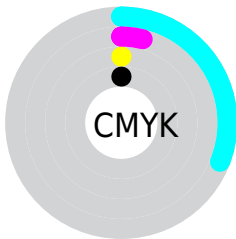
Distribution



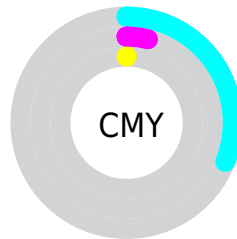
- Red (69%)
- Green (96%)
- Blue (100%)



- Red (69%)
- Yellow (83%)
- Blue (100%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6388, 0.2663, 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 81.6388, 0.2663, 0.3179 by changing the saturation by 10% instead.


 81.6388, 0.2663,
0.3179

 81.6388, 0.2663,
0.3179

500.4387, 0.2870,
0.3233

 61.0679, 0.2618,
0.3166


 135.6674, 0.2733,
0.3198

 44.2799, 0.2562,
0.3150


169.8938, 0.2761,
0.3206

 30.8906, 0.2494,
0.3129


209.4408, 0.2785,
0.3212

 20.5156, 0.2407,
0.3101

254.6928, 0.2806,
0.3217

 12.7704, 0.2292,
0.3062

306.0342, 0.2825,
0.3222

 7.2706, 0.2135,
0.3004

363.8494, 0.2842,

 3.6319, 0.1909,

0.3226

0.2911

428.5227, 0.2857,
0.3230

■ 1.4699, 0.1559,
0.2742

■ 0.2674, 0.0000,
0.1923

■ 81.6388, 0.2663,
0.3179

■ 81.6388, 0.2663,
0.3179

■ 77.0499, 0.2535,
0.3139

■ 86.8215, 0.2803,
0.3218

■ 73.0180, 0.2422,
0.3096

■ 92.6220, 0.2952,
0.3253

■ 69.5103, 0.2326,
0.3052

■ 99.0691, 0.3106,
0.3286

■ 66.4877, 0.2250,
0.3008

■ 100.0000, 0.3127,
0.3290

■ 63.9056, 0.2193,
0.2964

■ 61.7105, 0.2155,
0.2920

■ 60.0551, 0.2134,
0.2882

Harmonies

Analogous

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



81.6388, 0.2808, 0.3427



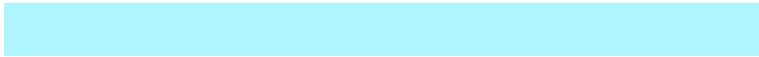
81.6388, 0.2663, 0.3179



81.6388, 0.2637, 0.2976

Triad

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



81.6388, 0.2663, 0.3179



81.6388, 0.3199, 0.2971



81.6388, 0.3524, 0.3722

Complementary

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



81.6388, 0.2663, 0.3179



59.0637, 0.3815, 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.



81.6388, 0.3641, 0.3577



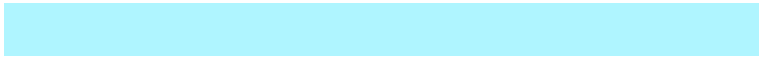
81.6388, 0.2663, 0.3179



81.6388, 0.3450, 0.3151

Square

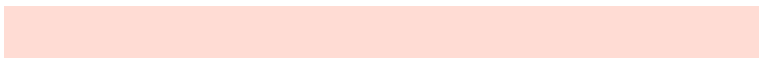
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6388, 0.2663, 0.3179



81.6388, 0.2938, 0.2869



81.6388, 0.3614, 0.3369



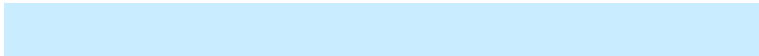
81.6388, 0.3302, 0.3751

Rectangle

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



81.6388, 0.2663, 0.3179



81.6388, 0.2690, 0.2892



81.6388, 0.3614, 0.3369



81.6388, 0.3578, 0.3684

Sweetspot

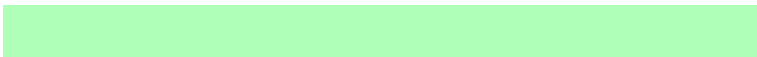
The Sweet Spot groups the original color and five complimentary colors.



81.6405, 0.2663, 0.3179



94.0867, 0.2988, 0.3261



84.1120, 0.3035, 0.4108



19.9445, 0.2965, 0.3256



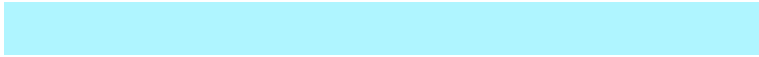
0.0000, 0.0000, 0.0000



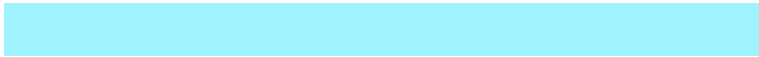
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6405, 0.2663, 0.3179



78.5301, 0.2577, 0.3153



60.3253, 0.2609, 0.2726



20.0709, 0.2980, 0.3259



31.5325, 0.2136, 0.2889



3.1742, 0.2150, 0.2939

Inverse Universe

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



58.5210, 0.3241, 0.2596



52.2118, 0.3270, 0.2452



77.8512, 0.3691, 0.3794



18.2590, 0.3157, 0.3085



13.9112, 0.3553, 0.1731



1.3650, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 81.6388, 0.2663, 0.3179 looks on a white background.

Color Contrast Check

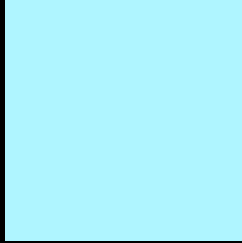
Large Text (above 18pt) WCAG AA × Fail

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 81.6388, 0.2663, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

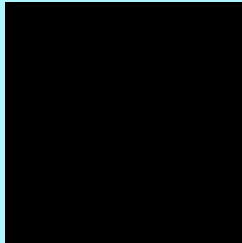
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6388, 0.2663, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 81.6388, 0.2663, 0.3179.

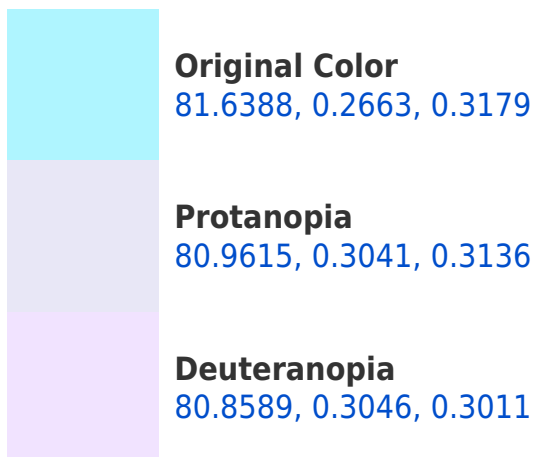


This preview shows how white text looks on a background with the Yxy color 81.6388, 0.2663, 0.3179.

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

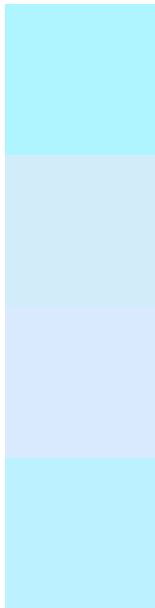




Tritanopia

81.7327, 0.2766, 0.3140

Trichromacy



Original Color

81.6388, 0.2663, 0.3179

Protanomaly

80.6793, 0.2890, 0.3152

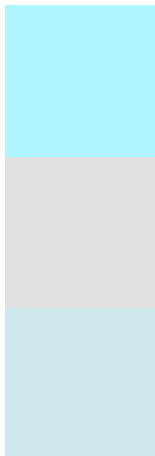
Deuteranomaly

80.8174, 0.2892, 0.3072

Tritanomaly

81.4156, 0.2728, 0.3149

Monochromacy



Original Color

81.6388, 0.2663, 0.3179

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.0348, 0.2938, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6388, 0.2663, 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(175, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.6388, 0.2663, 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(175, 245, 255) }
```

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

```
.border{ border-color:rgb(175, 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(175, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6388, 0.2663, 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(175, 245, 255) }
```

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

```
.background{ background-color: rgb(175,  
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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