

Converting Colors

$Yxy(81.9786, 0.2815, 0.3162)$

Have a look what the booklet for
Yxy(81.9786, 0.2815, 0.3162)
contains.

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Color

Yxy(81.7660, 0.2816, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	C9F0FC
RGB	201, 240, 252
RGB Percent	79%, 94%, 99%
CMY	0.2116, 0.0588, 0.0119
CMYK	0.20, 0.05, 0.00, 0.01
HSL	194°, 89%, 89%
HSV	194°, 20%, 99%
XYZ	72.8188, 81.7660, 104.0047
YIQ	229.7070, -27.0960, -4.5360

Conversions

Conversions Part 2

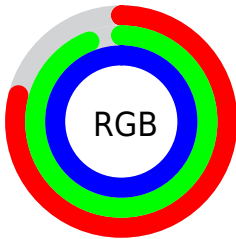
Format	Color
R_{YB}	201, 223, 252
Decimal	13234428
CIE _{Lab}	92.47, -10.03, -9.95
CIE _{LCh}	92, 14.130, 224.750
Yxy	81.7660, 0.2816, 0.3162
Android (android.graphics.Color)	4291424508 (0xFFC9F0FC)
YUV	229.7070, 10.9904, -25.1760
Hunter-Lab	90.4246, -14.4971, -4.8971

Details

The Yxy color **81.7660, 0.2816, 0.3162** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4896, 0.3508, 0.3414**, and the grayscale version is **78.8396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3321, 0.2749, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **75.1319, 0.2668, 0.3090**, and if you desaturate by 10%, it is **89.0931, 0.2969, 0.3228**.

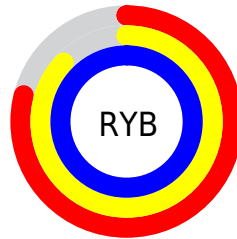
Distribution



Red (79%)

Green (94%)

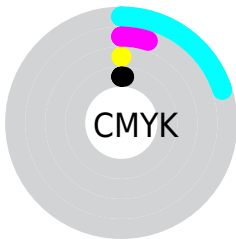
Blue (99%)



Red (79%)

Yellow (87%)

Blue (99%)

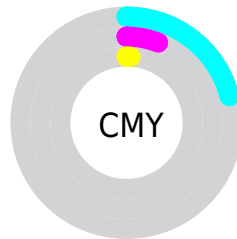


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (1%)



Cyan (21%)

Magenta (6%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7660, 0.2816, 0.3162 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 81.7660, 0.2816, 0.3162 by changing the saturation by 10% instead.

81.7660, 0.2816,
0.3162

81.7660, 0.2816,
0.3162

500.8646, 0.2956,
0.3222

61.1727, 0.2785,
0.3148

135.8458, 0.2864,
0.3183

44.3645, 0.2747,
0.3131

170.1011, 0.2882,
0.3191

30.9572, 0.2701,
0.3110

209.6791, 0.2899,
0.3198

20.5663, 0.2641,
0.3082

254.9643, 0.2913,
0.3204

12.8073, 0.2561,
0.3044

306.3411, 0.2925,
0.3209

7.2960, 0.2451,
0.2989

364.1938, 0.2937,

3.6479, 0.2288,

0.3214

0.2904

428.9068, 0.2947,
0.3218

■ 1.4786, 0.2027,
0.2755

■ 0.2736, 0.0118,
0.2134

■ 81.7660, 0.2816,
0.3162

■ 81.7660, 0.2816,
0.3162

■ 75.1319, 0.2668,
0.3090

■ 89.0931, 0.2969,
0.3228

■ 69.1517, 0.2529,
0.3012

■ 97.1302, 0.3124,
0.3289

■ 63.7977, 0.2401,
0.2931

■ 99.8057, 0.3145,
0.3319

■ 59.0353, 0.2289,
0.2845

■ 54.8267, 0.2194,
0.2758

■ 51.1281, 0.2119,
0.2670

■ 47.8879, 0.2064,
0.2582

■ 45.0786, 0.2027,
0.2497

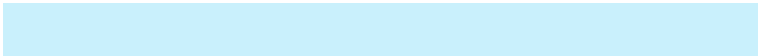
Harmonies

Analogous

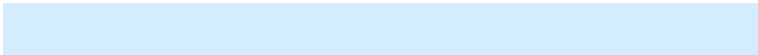
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7660, 0.2877, 0.3309



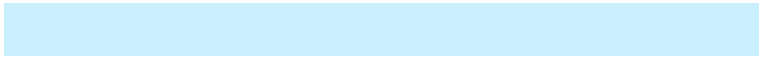
81.7660, 0.2816, 0.3162



81.7660, 0.2836, 0.3056

Triad

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



81.7660, 0.2816, 0.3162



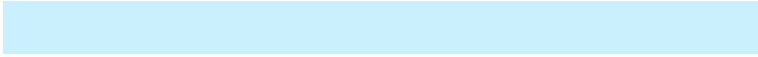
81.7660, 0.3247, 0.3134



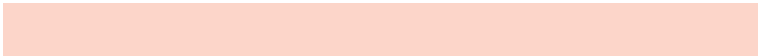
81.7660, 0.3322, 0.3577

Complementary

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



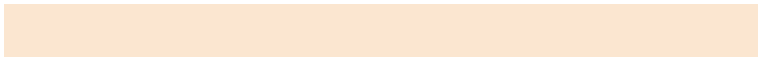
81.7660, 0.2816, 0.3162



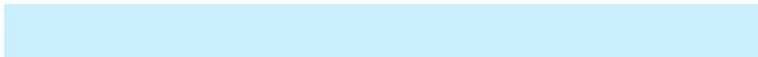
72.4896, 0.3508, 0.3414

Split Complementary

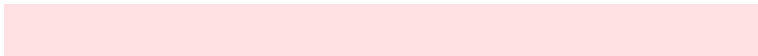
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7660, 0.3426, 0.3520



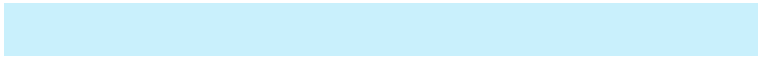
81.7660, 0.2816, 0.3162



81.7660, 0.3383, 0.3264

Square

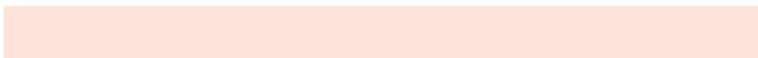
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7660, 0.2816, 0.3162



81.7660, 0.3081, 0.3043



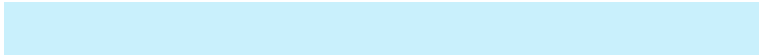
81.7660, 0.3449, 0.3405



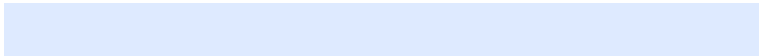
81.7660, 0.3167, 0.3554

Rectangle

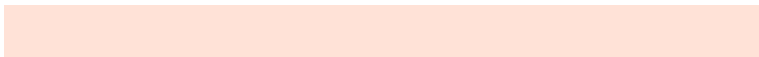
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7660, 0.2816, 0.3162



81.7660, 0.2892, 0.3020



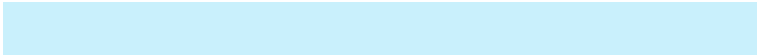
81.7660, 0.3449, 0.3405



81.7660, 0.3364, 0.3566

Sweetspot

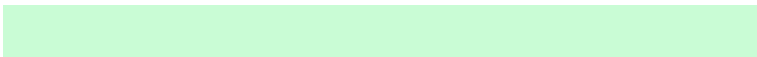
The Sweet Spot groups the original color and five complimentary colors.



81.7693, 0.2816, 0.3162



94.9422, 0.3034, 0.3255



86.8170, 0.3034, 0.3716



20.2072, 0.3024, 0.3251



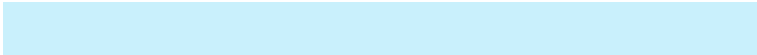
0.0000, 0.0000, 0.0000



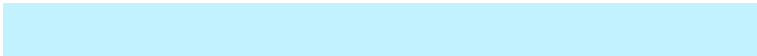
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7693, 0.2816, 0.3162



81.3553, 0.2759, 0.3135



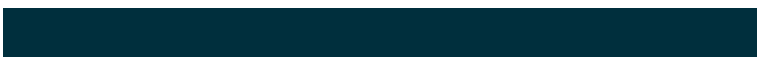
67.8518, 0.2798, 0.2882



18.8771, 0.2980, 0.3233



23.7278, 0.2031, 0.2512



2.3586, 0.2060, 0.2616

Inverse Universe

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



68.7678, 0.3236, 0.2899



66.0835, 0.3260, 0.2823



86.2763, 0.3458, 0.3667



17.4508, 0.3174, 0.3110



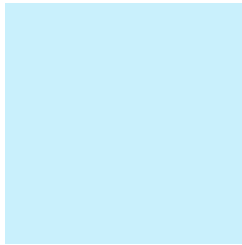
12.8062, 0.3910, 0.1928



1.2023, 0.3809, 0.1872

Previews

White Background



This preview shows how the Yxy color 81.7660, 0.2816, 0.3162 looks on a white background.

Color Contrast Check

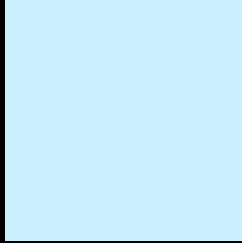
Large Text (above 18pt) WCAG AA × Fail

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 81.7660, 0.2816, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

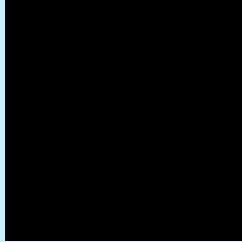
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7660, 0.2816, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 81.7660, 0.2816, 0.3162.

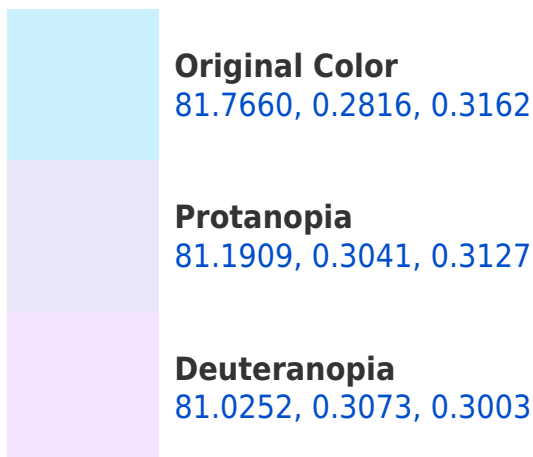


This preview shows how white text looks on a background with the Yxy color 81.7660, 0.2816, 0.3162.

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

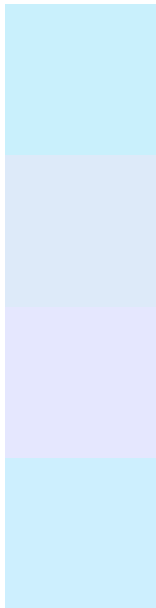




Tritanopia

81.6345, 0.2833, 0.3111

Trichromacy



Original Color

81.7660, 0.2816, 0.3162

Protanomaly

81.0573, 0.2952, 0.3134

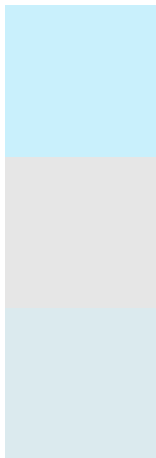
Deuteranomaly

80.9656, 0.2973, 0.3055

Tritanomaly

81.8679, 0.2828, 0.3131

Monochromacy



Original Color

81.7660, 0.2816, 0.3162

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.0788, 0.3004, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7660, 0.2816, 0.3162 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(201, 240, 252)` looks like.

```
.text, #text, p{  
    color:rgb(201, 240, 252)  
}
```

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(201, 240, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 240, 252) }
```

Border

The CSS property to change the border of an element to Yxy 81.7660, 0.2816, 0.3162 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(201, 240, 252) }
```

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

```
.border{ border-color:rgb(201, 240, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 240, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 240, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 240, 252);  
box-shadow:4px 4px 4px 4px rgb(201, 240,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7660, 0.2816, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 240, 252) }
```

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

```
.background{ background-color: rgb(201,  
240, 252) }
```

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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