

Converting Colors

$Yxy(81.8107, 0.2816, 0.3121)$

Have a look what the booklet for
Yxy(81.8107, 0.2816, 0.3121)
contains.

Yxy(81.7904, 0.2816, 0.3120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.7904, 0.2816, 0.3120)

Conversions

Conversions Part 1

Format	Color
Hex	CCEFFF
RGB	204, 239, 255
RGB Percent	80%, 94%, 100%
CMY	0.2000, 0.0627, 0.0000
CMYK	0.20, 0.06, 0.00, 0.00
HSL	199°, 100%, 90%
HSV	199°, 20%, 100%
XYZ	73.8211, 81.7904, 106.5372
YIQ	230.3590, -25.9960, -2.4440

Conversions

Conversions Part 2

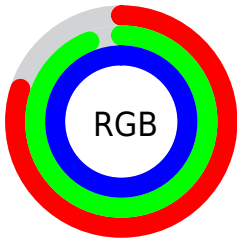
Format	Color
R_{YB}	204, 225, 255
Decimal	13430783
CIE _{Lab}	92.48, -7.99, -11.51
CIE _{LCh}	92, 14.016, 235.238
Y _{xy}	81.7904, 0.2816, 0.3120
Android (android.graphics.Color)	4291620863 (0xFFCCEFFF)
YUV	230.3590, 12.1480, -23.1168
Hunter-Lab	90.4380, -12.5639, -6.5378

Details

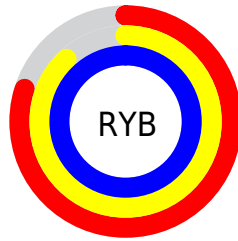
The Yxy color **81.7904, 0.2816, 0.3120** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7992, 0.3495, 0.3454**, and the grayscale version is **79.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3338, 0.2749, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **73.8986, 0.2663, 0.3023**, and if you desaturate by 10%, it is **90.4807, 0.2972, 0.3209**.

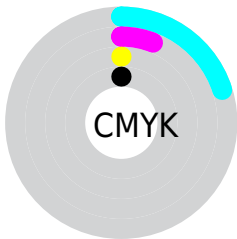
Distribution



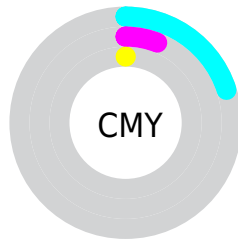
- Red (80%)
- Green (94%)
- Blue (100%)



- Red (80%)
- Yellow (88%)
- Blue (100%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7904, 0.2816, 0.3120 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 81.7904, 0.2816, 0.3120 by changing the saturation by 10% instead.

81.7904, 0.2816,
0.3120

81.7904, 0.2816,
0.3120

500.9463, 0.2956,
0.3198

61.1928, 0.2785,
0.3102

135.8800, 0.2864,
0.3147

44.3808, 0.2748,
0.3080

170.1408, 0.2882,
0.3158

30.9700, 0.2701,
0.3053

209.7248, 0.2899,
0.3167

20.5760, 0.2641,
0.3017

255.0164, 0.2913,
0.3175

12.8144, 0.2561,
0.2968

306.3999, 0.2925,
0.3182

7.3009, 0.2451,
0.2899

364.2598, 0.2937,

3.6510, 0.2290,

0.3188

0.2794

428.9805, 0.2947,
0.3193

■ 1.4803, 0.2030,
0.2614

■ 0.2748, 0.0455,
0.1893

■ 81.7904, 0.2816,
0.3120

■ 81.7904, 0.2816,
0.3120

■ 73.8986, 0.2663,
0.3023

■ 90.4807, 0.2972,
0.3209

■ 66.7719, 0.2516,
0.2918

99.9966, 0.3127,
0.3290

■ 60.3771, 0.2379,
0.2807

100.0000, 0.3127,
0.3290

■ 54.6775, 0.2255,
0.2690

■ 49.6321, 0.2149,
0.2570

■ 45.1947, 0.2062,
0.2449

■ 41.3102, 0.1995,
0.2328

■ 37.8919, 0.1947,
0.2210

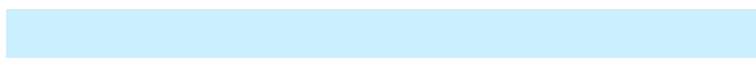
Harmonies

Analogous

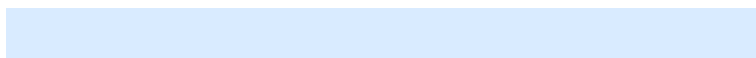
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7904, 0.2849, 0.3255



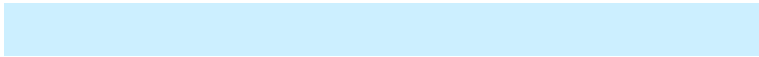
81.7904, 0.2816, 0.3120



81.7904, 0.2863, 0.3035

Triad

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



81.7904, 0.2816, 0.3120



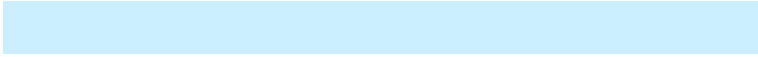
81.7904, 0.3299, 0.3177



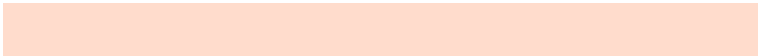
81.7904, 0.3270, 0.3576

Complementary

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



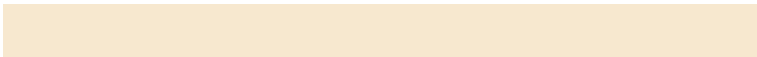
81.7904, 0.2816, 0.3120



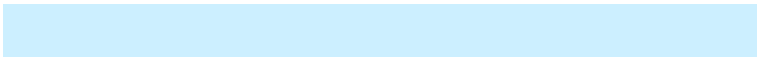
76.7992, 0.3495, 0.3454

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.



81.7904, 0.3395, 0.3546



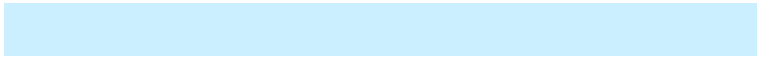
81.7904, 0.2816, 0.3120



81.7904, 0.3413, 0.3314

Square

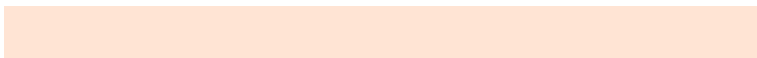
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



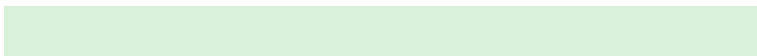
81.7904, 0.2816, 0.3120



81.7904, 0.3139, 0.3070



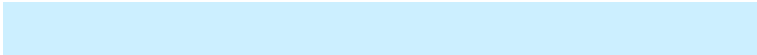
81.7904, 0.3449, 0.3448



81.7904, 0.3109, 0.3525

Rectangle

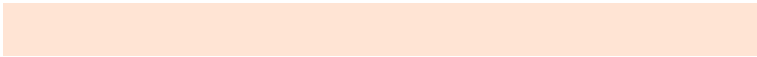
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7904, 0.2816, 0.3120



81.7904, 0.2935, 0.3016



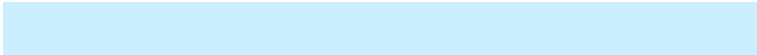
81.7904, 0.3449, 0.3448



81.7904, 0.3318, 0.3575

Sweetspot

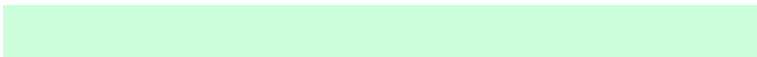
The Sweet Spot groups the original color and five complimentary colors.



81.7911, 0.2816, 0.3120



94.1895, 0.3034, 0.3243



89.4861, 0.3017, 0.3674



20.0290, 0.3024, 0.3237



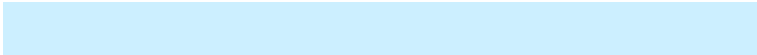
0.0000, 0.0000, 0.0000



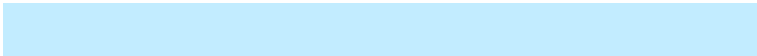
21.4041, 0.3127, 0.3290

Same Dimension

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



81.7911, 0.2816, 0.3120



78.5429, 0.2755, 0.3083



68.2470, 0.2799, 0.2849



19.4640, 0.2980, 0.3214



20.0786, 0.1953, 0.2230



2.1507, 0.1990, 0.2365

Inverse Universe

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



70.6738, 0.3264, 0.2942



65.7995, 0.3297, 0.2869



90.8020, 0.3448, 0.3695



18.1977, 0.3186, 0.3128



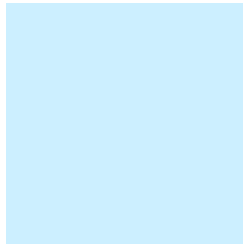
12.7549, 0.4200, 0.2088



1.2617, 0.4059, 0.2010

Previews

White Background



This preview shows how the Yxy color 81.7904, 0.2816, 0.3120 looks on a white background.

Color Contrast Check

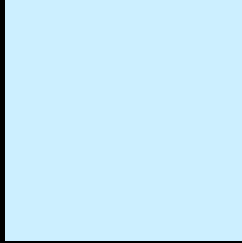
Large Text (above 18pt) WCAG AA × Fail

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 81.7904, 0.2816, 0.3120 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

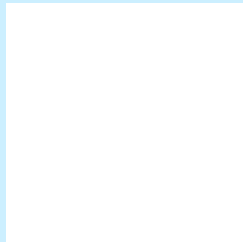
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.7904, 0.2816, 0.3120

Background



This preview shows how black text looks on a background with the Yxy color 81.7904, 0.2816, 0.3120.

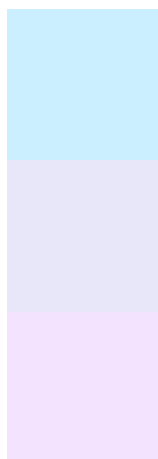


This preview shows how white text looks on a background with the Yxy color 81.7904, 0.2816, 0.3120.

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

81.7904, 0.2816, 0.3120

Protanopia

81.2098, 0.3016, 0.3096

Deuteranopia

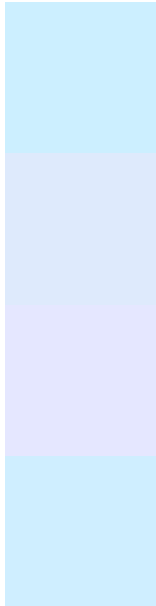
81.2129, 0.3059, 0.3012



Tritanopia

81.7790, 0.2839, 0.3111

Trichromacy



Original Color

81.7904, 0.2816, 0.3120

Protanomaly

81.4035, 0.2940, 0.3104

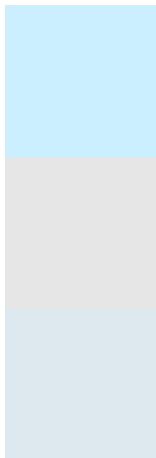
Deuteranomaly

81.0298, 0.2967, 0.3046

Tritanomaly

81.6345, 0.2833, 0.3111

Monochromacy



Original Color

81.7904, 0.2816, 0.3120

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.8820, 0.3011, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7904, 0.2816, 0.3120 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(204, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 239, 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(204, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.7904, 0.2816, 0.3120 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(204, 239, 255) }
```

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

```
.border{ border-color:rgb(204, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7904, 0.2816, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 239, 255) }
```

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

```
.background{ background-color: rgb(204,  
239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor