

Converting Colors

$Yxy(84.0442, 0.2621, 0.2835)$

Have a look what the booklet for
Yxy(84.0442, 0.2621, 0.2835)
contains.

Yxy(81.8664, 0.2772, 0.3140)	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(81.8664, 0.2772, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	C4F1FF
RGB	196, 241, 255
RGB Percent	77%, 95%, 100%
CMY	0.2313, 0.0549, 0.0001
CMYK	0.23, 0.05, 0.00, 0.00
HSL	194°, 100%, 88%
HSV	194°, 23%, 100%
XYZ	72.2719, 81.8664, 106.5828
YIQ	229.1410, -31.3140, -5.1860

Conversions

Conversions Part 2

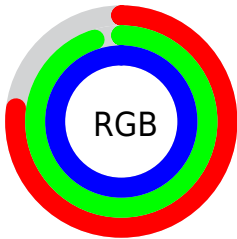
Format	Color
RYB	196, 222, 255
Decimal	12907007
CIELab	92.52, -11.37, -11.49
CIELCh	93, 16.164, 225.278
Yxy	81.8664, 0.2772, 0.3140
Android (android.graphics.Color)	4291097087 (0xFFC4F1FF)
YUV	229.1410, 12.7485, -29.0647
Hunter-Lab	90.4801, -15.7614, -6.5058

Details

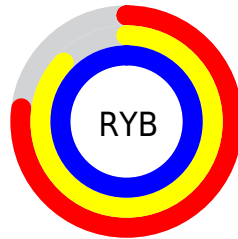
The Yxy color **81.8664, 0.2772, 0.3140** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3381, 0.3575, 0.3435**, and the grayscale version is **78.3899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **44.4379, 0.2695, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **75.2154, 0.2626, 0.3065**, and if you desaturate by 10%, it is **89.2239, 0.2924, 0.3209**.

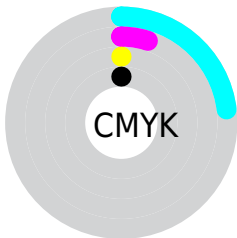
Distribution



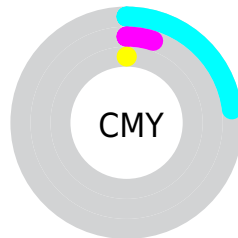
- Red (77%)
- Green (95%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.8664, 0.2772, 0.3140 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 81.8664, 0.2772, 0.3140 by changing the saturation by 10% instead.

81.8664, 0.2772,
0.3140

81.8664, 0.2772,
0.3140

501.2007, 0.2931,
0.3210

61.2554, 0.2737,
0.3124

135.9866, 0.2826,
0.3164

44.4313, 0.2694,
0.3104

170.2647, 0.2847,
0.3174

31.0097, 0.2641,
0.3079

209.8672, 0.2866,
0.3182

20.6063, 0.2573,
0.3046

255.1786, 0.2882,
0.3189

12.8365, 0.2484,
0.3001

306.5832, 0.2897,
0.3195

7.3161, 0.2360,
0.2937

364.4655, 0.2909,

3.6605, 0.2179,

0.3201

0.2837

429.2099, 0.2921,
0.3206

1.4855, 0.1892,
0.2664

0.2785, 0.0000,
0.2001

81.8664, 0.2772,
0.3140

81.8664, 0.2772,
0.3140

75.2154, 0.2626,
0.3065

89.2239, 0.2924,
0.3209

69.2303, 0.2490,
0.2986

97.3064, 0.3079,
0.3272

63.8816, 0.2366,
0.2902

99.9988, 0.3127,
0.3290

59.1328, 0.2258,
0.2815

■ 54.9431, 0.2169,
0.2726

■ 51.2657, 0.2099,
0.2637

■ 48.0437, 0.2050,
0.2549

■ 46.0359, 0.2025,
0.2488

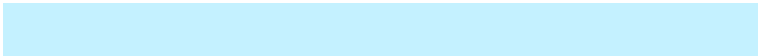
Harmonies

Analogous

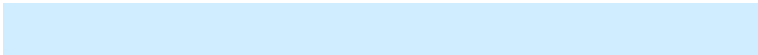
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.8664, 0.2840, 0.3307



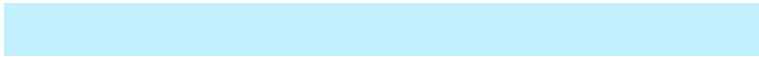
81.8664, 0.2772, 0.3140



81.8664, 0.2796, 0.3020

Triad

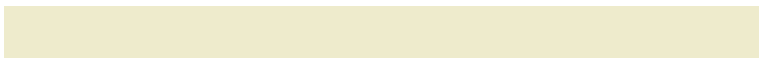
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8664, 0.2772, 0.3140



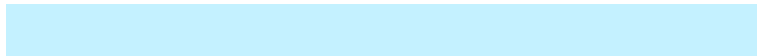
81.8664, 0.3267, 0.3114



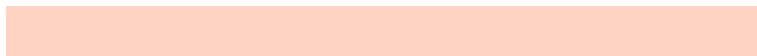
81.8664, 0.3346, 0.3619

Complementary

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



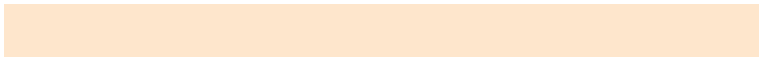
81.8664, 0.2772, 0.3140



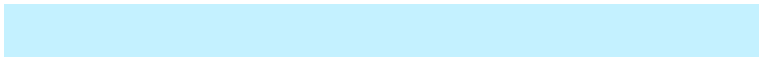
71.3381, 0.3575, 0.3435

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.



81.8664, 0.3468, 0.3554



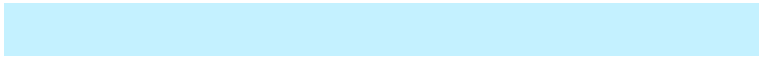
81.8664, 0.2772, 0.3140



81.8664, 0.3422, 0.3263

Square

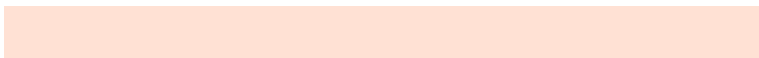
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8664, 0.2772, 0.3140



81.8664, 0.3077, 0.3010



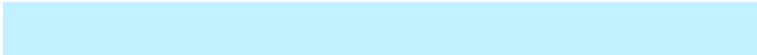
81.8664, 0.3496, 0.3422



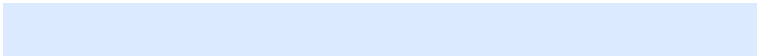
81.8664, 0.3168, 0.3592

Rectangle

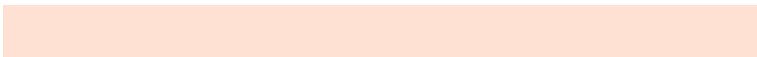
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8664, 0.2772, 0.3140



81.8664, 0.2861, 0.2981



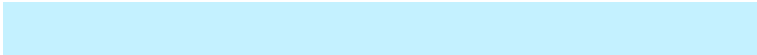
81.8664, 0.3496, 0.3422



81.8664, 0.3395, 0.3607

Sweetspot

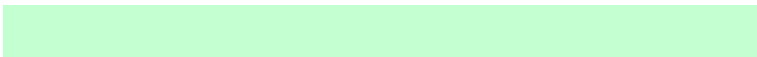
The Sweet Spot groups the original color and five complimentary colors.



81.8697, 0.2772, 0.3140



94.0997, 0.3019, 0.3248



87.8891, 0.3021, 0.3786



20.0360, 0.3009, 0.3244



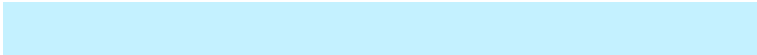
0.0000, 0.0000, 0.0000



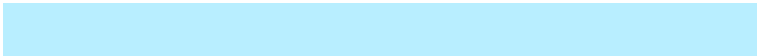
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8697, 0.2772, 0.3140



78.5513, 0.2700, 0.3104



65.9183, 0.2746, 0.2815



19.7084, 0.2980, 0.3232



24.3007, 0.2029, 0.2503



2.5335, 0.2057, 0.2603

Inverse Universe

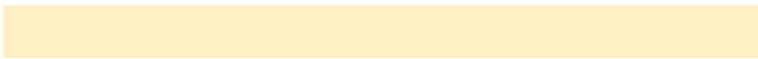
The Inverse Universe completely reimagines the original color for something new.



67.0985, 0.3256, 0.2842



61.5522, 0.3289, 0.2745



87.1279, 0.3510, 0.3723



18.2224, 0.3175, 0.3110



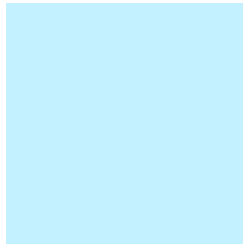
13.1811, 0.3919, 0.1933



1.3003, 0.3821, 0.1878

Previews

White Background



This preview shows how the Yxy color 81.8664, 0.2772, 0.3140 looks on a white background.

Color Contrast Check

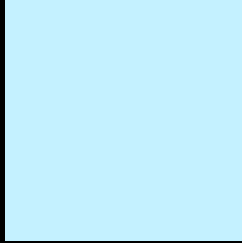
Large Text (above 18pt) WCAG AA × Fail

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 81.8664, 0.2772, 0.3140 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

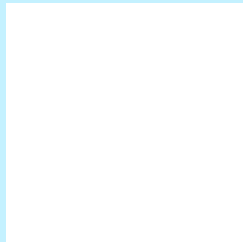
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8664, 0.2772, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 81.8664, 0.2772, 0.3140.



This preview shows how white text looks on a background with the Yxy color 81.8664, 0.2772, 0.3140.

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

81.8664, 0.2772, 0.3140

Protanopia

81.1472, 0.3022, 0.3106

Deuteranopia

81.2129, 0.3059, 0.3012



Tritanopia

81.7904, 0.2816, 0.3120

Trichromacy



Original Color

81.8664, 0.2772, 0.3140

Protanomaly

81.4418, 0.2928, 0.3123

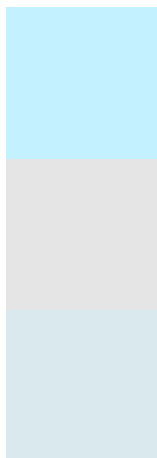
Deuteranomaly

81.1020, 0.2948, 0.3055

Tritanomaly

81.9577, 0.2800, 0.3130

Monochromacy



Original Color

81.8664, 0.2772, 0.3140

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2026, 0.2991, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8664, 0.2772, 0.3140 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(196, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 241, 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(196, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.8664, 0.2772, 0.3140 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(196, 241, 255) }
```

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

```
.border{ border-color:rgb(196, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8664, 0.2772, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 241, 255) }
```

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

```
.background{ background-color: rgb(196,  
241, 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