

Converting Colors

$Yxy(82.2983, 0.2765, 0.3151)$

Have a look what the booklet for
Yxy(82.2983, 0.2765, 0.3151)
contains.

Yxy(82.3264, 0.2767, 0.3150)	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(82.3264, 0.2767, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	C3F2FF
RGB	195, 242, 255
RGB Percent	76%, 95%, 100%
CMY	0.2352, 0.0510, 0.0000
CMYK	0.24, 0.05, 0.00, 0.00
HSL	193°, 100%, 88%
HSV	193°, 24%, 100%
XYZ	72.3166, 82.3264, 106.7107
YIQ	229.4290, -32.1850, -5.9210

Conversions

Conversions Part 2

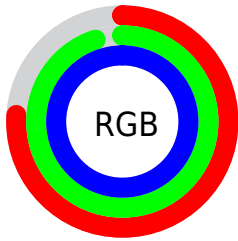
Format	Color
RYB	195, 221, 255
Decimal	12841727
CIELab	92.72, -12.15, -11.21
CIELCh	93, 16.538, 222.697
Yxy	82.3264, 0.2767, 0.3150
Android (android.graphics.Color)	4291031807 (0xFFC3F2FF)
YUV	229.4290, 12.6065, -30.1942
Hunter-Lab	90.7339, -16.5166, -6.2163

Details

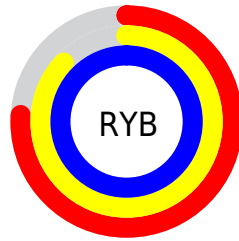
The Yxy color **82.3264, 0.2767, 0.3150** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3296, 0.3587, 0.3425**, and the grayscale version is **78.6143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **44.7705, 0.2690, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **75.9735, 0.2623, 0.3082**, and if you desaturate by 10%, it is **89.3617, 0.2918, 0.3213**.

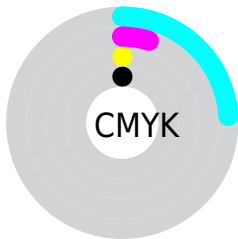
Distribution



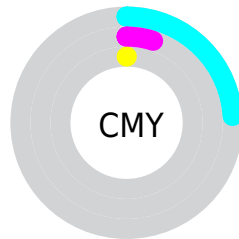
- Red (76%)
- Green (95%)
- Blue (100%)



- Red (76%)
- Yellow (87%)
- Blue (100%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3264, 0.2767, 0.3150 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 82.3264, 0.2767, 0.3150 by changing the saturation by 10% instead.

82.3264, 0.2767,
0.3150

82.3264, 0.2767,
0.3150

502.7388, 0.2928,
0.3216

61.6346, 0.2732,
0.3135

136.6316, 0.2822,
0.3173

44.7375, 0.2688,
0.3116

171.0139, 0.2843,
0.3182

31.2507, 0.2635,
0.3093

210.7284, 0.2862,
0.3189

20.7899, 0.2566,
0.3061

256.1596, 0.2879,
0.3196

12.9705, 0.2476,
0.3019

307.6918, 0.2893,
0.3202

7.4082, 0.2351,
0.2958

365.7095, 0.2906,

3.7187, 0.2169,

0.3207

0.2863

430.5970, 0.2918,
0.3211

1.5175, 0.1881,
0.2698

0.3010, 0.0000,
0.2119

82.3264, 0.2767,
0.3150

82.3264, 0.2767,
0.3150

75.9735, 0.2623,
0.3082

89.3617, 0.2918,
0.3213

70.2684, 0.2489,
0.3009

97.1033, 0.3073,
0.3271

65.1797, 0.2368,
0.2933

100.0000, 0.3127,
0.3290

60.6710, 0.2264,
0.2854

■ 56.7018, 0.2178,
0.2773

■ 53.2250, 0.2113,
0.2693

■ 50.1836, 0.2067,
0.2613

■ 48.3921, 0.2045,
0.2561

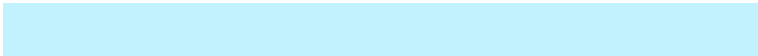
Harmonies

Analogous

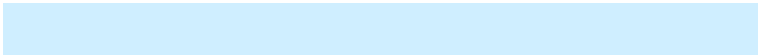
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3264, 0.2844, 0.3323



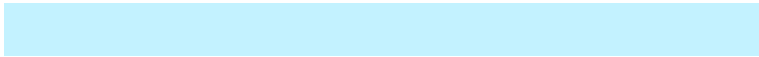
82.3264, 0.2767, 0.3150



82.3264, 0.2783, 0.3022

Triad

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



82.3264, 0.2767, 0.3150



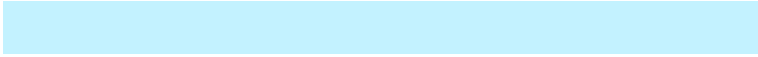
82.3264, 0.3254, 0.3099



82.3264, 0.3365, 0.3624

Complementary

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



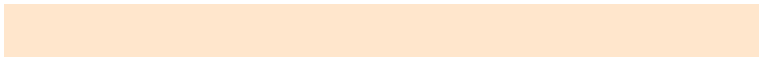
82.3264, 0.2767, 0.3150



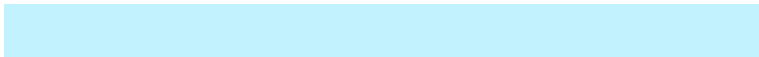
70.3296, 0.3587, 0.3425

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.



82.3264, 0.3482, 0.3550



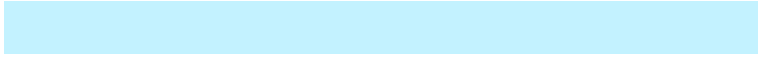
82.3264, 0.2767, 0.3150



82.3264, 0.3417, 0.3248

Square

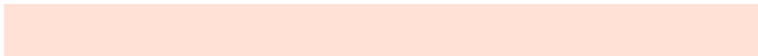
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3264, 0.2767, 0.3150



82.3264, 0.3060, 0.2998



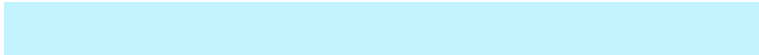
82.3264, 0.3501, 0.3412



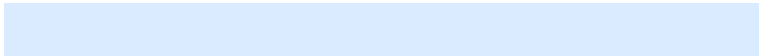
82.3264, 0.3186, 0.3605

Rectangle

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



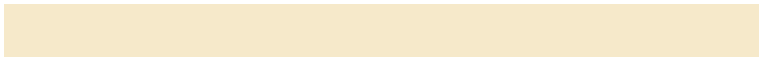
82.3264, 0.2767, 0.3150



82.3264, 0.2845, 0.2978



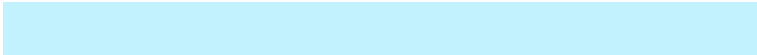
82.3264, 0.3501, 0.3412



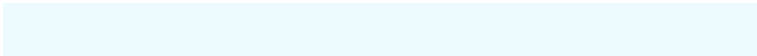
82.3264, 0.3413, 0.3608

Sweetspot

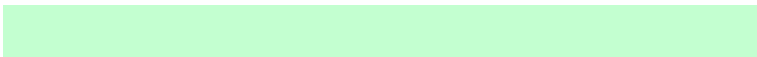
The Sweet Spot groups the original color and five complimentary colors.



82.3278, 0.2767, 0.3150



94.3256, 0.3018, 0.3252



87.6812, 0.3025, 0.3808



20.0884, 0.3009, 0.3248



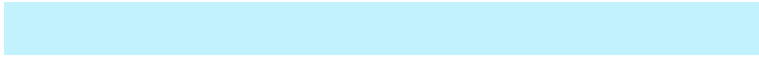
0.0000, 0.0000, 0.0000



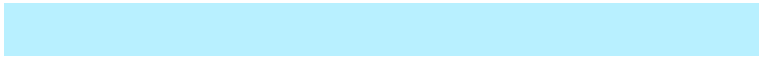
21.4041, 0.3127, 0.3290

Same Dimension

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



82.3278, 0.2767, 0.3150



79.3974, 0.2702, 0.3120



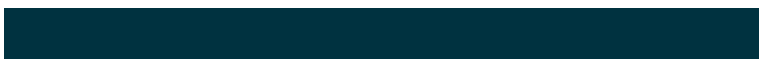
65.9236, 0.2740, 0.2817



19.7736, 0.2980, 0.3237



25.5148, 0.2049, 0.2574



2.6422, 0.2074, 0.2665

Inverse Universe

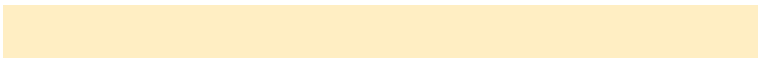
The Inverse Universe completely reimagines the original color for something new.



66.7140, 0.3249, 0.2823



61.6376, 0.3277, 0.2732



86.3554, 0.3520, 0.3722



18.2290, 0.3171, 0.3106



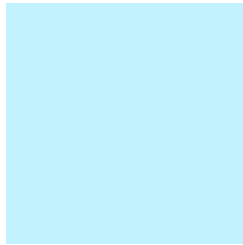
13.3037, 0.3849, 0.1894



1.3113, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 82.3264, 0.2767, 0.3150 looks on a white background.

Color Contrast Check

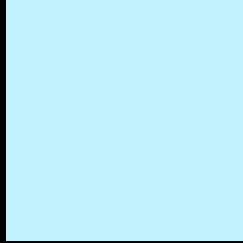
Large Text (above 18pt) WCAG AA × Fail

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 82.3264, 0.2767, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

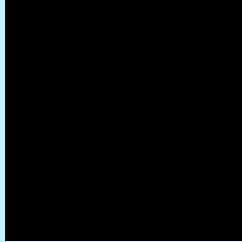
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3264, 0.2767, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 82.3264, 0.2767, 0.3150.

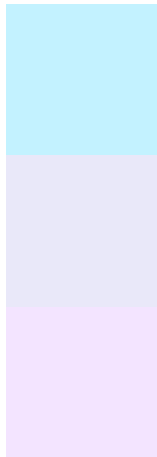


This preview shows how white text looks on a background with the Yxy color 82.3264, 0.2767, 0.3150.

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

82.3264, 0.2767, 0.3150

Protanopia

81.8764, 0.3029, 0.3117

Deuteranopia

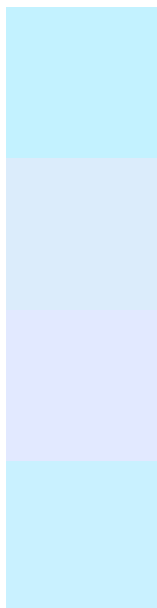
81.7615, 0.3059, 0.3022



Tritanopia

82.5193, 0.2823, 0.3131

Trichromacy



Original Color

82.3264, 0.2767, 0.3150

Protanomaly

82.0160, 0.2928, 0.3134

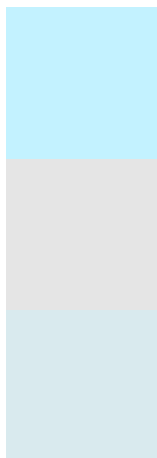
Deuteranomaly

81.6666, 0.2948, 0.3065

Tritanomaly

82.5481, 0.2800, 0.3141

Monochromacy



Original Color

82.3264, 0.2767, 0.3150

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.7704, 0.2991, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3264, 0.2767, 0.3150 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(195, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 242, 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(195, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3264, 0.2767, 0.3150 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(195, 242, 255) }
```

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

```
.border{ border-color:rgb(195, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 242,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.3264, 0.2767, 0.3150$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 242, 255) }
```

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

```
.background{ background-color: rgb(195,  
242, 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