

Converting Colors

$Yxy(84.9261, 0.2623, 0.2717)$

Have a look what the booklet for
Yxy(84.9261, 0.2623, 0.2717)
contains.

Yxy(82.2184, 0.2834, 0.3121)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.2184, 0.2834, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	CFEFFF
RGB	207, 239, 255
RGB Percent	81%, 94%, 100%
CMY	0.1881, 0.0628, 0.0000
CMYK	0.19, 0.06, 0.00, 0.00
HSL	200°, 100%, 91%
HSV	200°, 19%, 100%
XYZ	74.6578, 82.2184, 106.5599
YIQ	231.2560, -24.2080, -1.8080

Conversions

Conversions Part 2

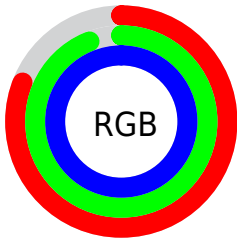
Format	Color
R_{YB}	207, 226, 255
Decimal	13627391
CIE _{Lab}	92.67, -7.08, -11.20
CIE _{LCh}	93, 13.251, 237.723
Yxy	82.2184, 0.2834, 0.3121
Android (android.graphics.Color)	4291817471 (0xFFCFEFFF)
YUV	231.2560, 11.7058, -21.2725
Hunter-Lab	90.6744, -11.7101, -6.2052

Details

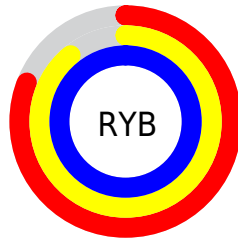
The Yxy color **82.2184, 0.2834, 0.3121** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.5629, 0.3468, 0.3453**, and the grayscale version is **80.0412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6196, 0.2771, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **73.9731, 0.2679, 0.3019**, and if you desaturate by 10%, it is **91.2953, 0.2990, 0.3215**.

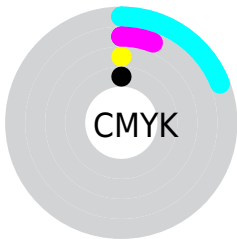
Distribution



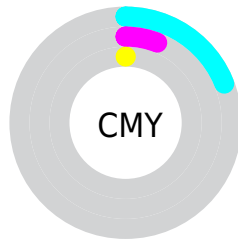
- Red (81%)
- Green (94%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2184, 0.2834, 0.3121 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 82.2184, 0.2834, 0.3121 by changing the saturation by 10% instead.

82.2184, 0.2834,
0.3121

82.2184, 0.2834,
0.3121

502.3779, 0.2965,
0.3199

61.5456, 0.2805,
0.3103

136.4802, 0.2879,
0.3148

44.6656, 0.2769,
0.3082

170.8380, 0.2896,
0.3158

31.1941, 0.2725,
0.3055

210.5263, 0.2912,
0.3167

20.7467, 0.2669,
0.3019

255.9293, 0.2925,
0.3175

12.9390, 0.2594,
0.2972

307.4317, 0.2937,
0.3182

7.3865, 0.2490,
0.2904

365.4176, 0.2948,

3.7050, 0.2338,

0.3188

0.2801

430.2716, 0.2957,
0.3194

■ 1.5099, 0.2092,
0.2627

■ 0.2957, 0.0714,
0.1950

■ 82.2184, 0.2834,
0.3121

■ 82.2184, 0.2834,
0.3121

■ 73.9731, 0.2679,
0.3019

■ 91.2953, 0.2990,
0.3215

■ 66.5219, 0.2530,
0.2907

100.0000, 0.3127,
0.3290

■ 59.8328, 0.2389,
0.2789

■ 53.8688, 0.2261,
0.2665

■ 48.5890, 0.2149,
0.2536

■ 43.9471, 0.2056,
0.2407

■ 39.8889, 0.1984,
0.2278

■ 36.3371, 0.1933,
0.2152

■ 35.9367, 0.1927,
0.2137

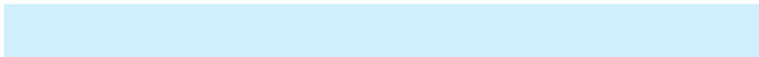
Harmonies

Analogous

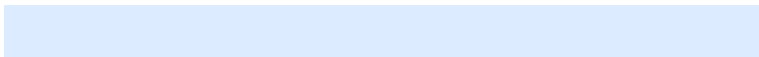
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2184, 0.2859, 0.3246



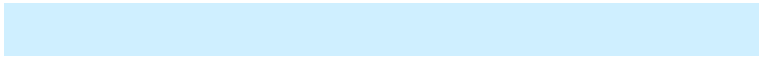
82.2184, 0.2834, 0.3121



82.2184, 0.2885, 0.3045

Triad

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



82.2184, 0.2834, 0.3121



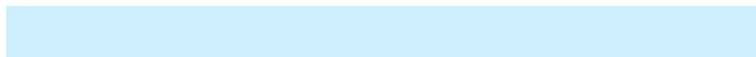
82.2184, 0.3300, 0.3193



82.2184, 0.3250, 0.3558

Complementary

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



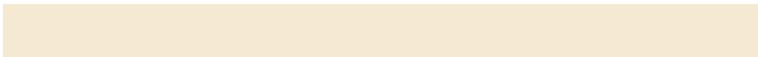
82.2184, 0.2834, 0.3121



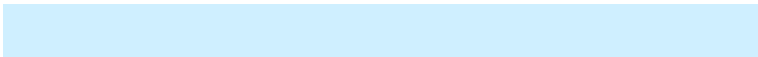
78.5629, 0.3468, 0.3453

Split Complementary

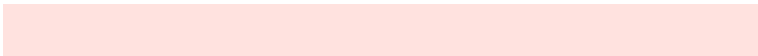
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2184, 0.3373, 0.3537



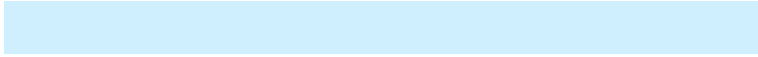
82.2184, 0.2834, 0.3121



82.2184, 0.3403, 0.3324

Square

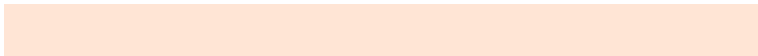
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



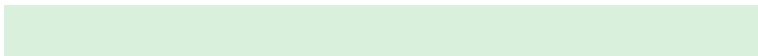
82.2184, 0.2834, 0.3121



82.2184, 0.3152, 0.3089



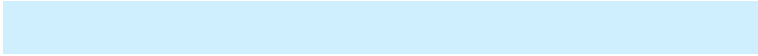
82.2184, 0.3429, 0.3449



82.2184, 0.3097, 0.3504

Rectangle

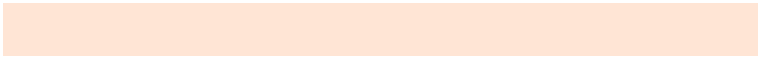
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2184, 0.2834, 0.3121



82.2184, 0.2956, 0.3031



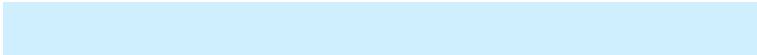
82.2184, 0.3429, 0.3449



82.2184, 0.3297, 0.3559

Sweetspot

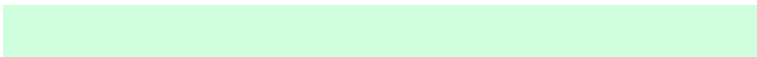
The Sweet Spot groups the original color and five complimentary colors.



82.2204, 0.2834, 0.3121



93.9986, 0.3034, 0.3240



90.1192, 0.3014, 0.3631



19.9838, 0.3024, 0.3234



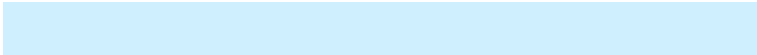
0.0000, 0.0000, 0.0000



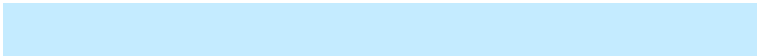
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2204, 0.2834, 0.3121



78.6659, 0.2769, 0.3079



69.1056, 0.2819, 0.2861



19.4002, 0.2980, 0.3209



19.0638, 0.1933, 0.2158



2.0574, 0.1973, 0.2302

Inverse Universe

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



72.1339, 0.3261, 0.2972



66.9210, 0.3297, 0.2899



92.2917, 0.3425, 0.3686



18.1913, 0.3189, 0.3133



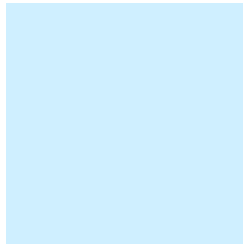
12.6525, 0.4278, 0.2130



1.2522, 0.4124, 0.2046

Previews

White Background



This preview shows how the Yxy color 82.2184, 0.2834, 0.3121 looks on a white background.

Color Contrast Check

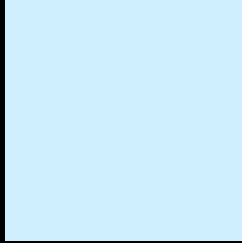
Large Text (above 18pt) WCAG AA × Fail

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 82.2184, 0.2834, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

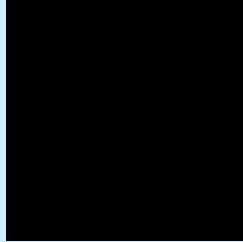
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

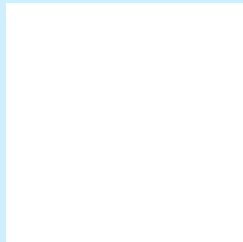
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2184, 0.2834, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 82.2184, 0.2834, 0.3121.



This preview shows how white text looks on a background with the Yxy color 82.2184, 0.2834, 0.3121.

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

82.2184, 0.2834, 0.3121

Protanopia

82.0019, 0.3017, 0.3097

Deuteranopia

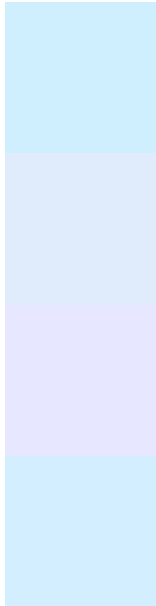
81.9399, 0.3066, 0.3023



Tritanopia

82.2180, 0.2857, 0.3112

Trichromacy



Original Color

82.2184, 0.2834, 0.3121

Protanomaly

82.2922, 0.2953, 0.3115

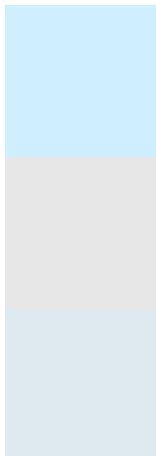
Deuteranomaly

81.9221, 0.2980, 0.3057

Tritanomaly

82.0707, 0.2851, 0.3112

Monochromacy



Original Color

82.2184, 0.2834, 0.3121

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.6665, 0.3011, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2184, 0.2834, 0.3121 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(207, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2184, 0.2834, 0.3121 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(207, 239, 255) }
```

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

```
.border{ border-color:rgb(207, 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(207, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2184, 0.2834, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 239, 255) }
```

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

```
.background{ background-color: rgb(207,  
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