

Converting Colors

$Y_{xy}(94.1537, 0.2493, 0.2417)$

Have a look what the booklet for
Yxy(94.1537, 0.2493, 0.2417)
contains.

Yxy(86.9814, 0.2908, 0.3177)	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(86.9814, 0.2908, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	DBF4FF
RGB	219, 244, 255
RGB Percent	86%, 96%, 100%
CMY	0.1411, 0.0431, 0.0001
CMYK	0.14, 0.04, 0.00, 0.00
HSL	198°, 100%, 93%
HSV	198°, 14%, 100%
XYZ	79.6166, 86.9814, 107.1867
YIQ	237.7790, -18.4310, -1.8790

Conversions

Conversions Part 2

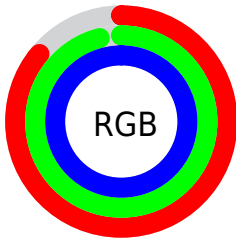
Format	Color
R_{YB}	219, 234, 255
Decimal	14415103
CIE _{Lab}	94.73, -5.96, -8.04
CIE _{LCh}	95, 10.007, 233.474
Y _{xy}	86.9814, 0.2908, 0.3177
Android (android.graphics.Color)	4292605183 (0xFFDBF4FF)
Y _{UV}	237.7790, 8.4900, -16.4692
Hunter-Lab	93.2638, -10.8315, -2.8564

Details

The Yxy color **86.9814, 0.2908, 0.3177** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9702, 0.3374, 0.3400**, and the grayscale version is **85.2684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9362, 0.2865, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **78.7396, 0.2753, 0.3087**, and if you desaturate by 10%, it is **96.0342, 0.3064, 0.3259**.

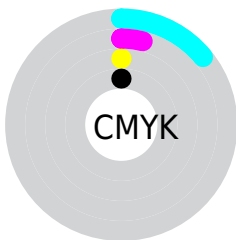
Distribution



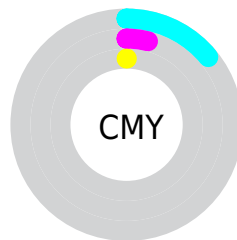
- Red (86%)
- Green (96%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9814, 0.2908, 0.3177 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 86.9814, 0.2908, 0.3177 by changing the saturation by 10% instead.

86.9814, 0.2908,
0.3177

86.9814, 0.2908,
0.3177

518.1617, 0.3006,
0.3228

65.4798, 0.2887,
0.3165

143.1382, 0.2941,
0.3195

47.8502, 0.2860,
0.3151

178.5622, 0.2954,
0.3202

33.7083, 0.2828,
0.3134

219.3958, 0.2966,
0.3208

22.6696, 0.2787,
0.3111

266.0235, 0.2976,
0.3213

14.3497, 0.2732,
0.3080

318.8295, 0.2984,
0.3217

8.3643, 0.2657,
0.3037

378.1982, 0.2992,

4.3289, 0.2547,

0.3221

0.2972

444.5142, 0.2999,
0.3225

■ 1.8592, 0.2371,
0.2864

■ 0.5237, 0.1746,
0.2595

■ 86.9814, 0.2908,
0.3177

■ 86.9814, 0.2908,
0.3177

■ 78.7396, 0.2753,
0.3087

■ 96.0342, 0.3064,
0.3259

■ 71.2682, 0.2603,
0.2989

99.9990, 0.3127,
0.3290

■ 64.5386, 0.2461,
0.2884

■ 58.5162, 0.2330,
0.2774

■ 53.1628, 0.2214,
0.2659

■ 48.4358, 0.2116,
0.2541

■ 44.2860, 0.2039,
0.2424

■ 40.6537, 0.1982,
0.2308

■ 38.7057, 0.1956,
0.2240

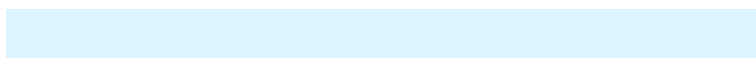
Harmonies

Analogous

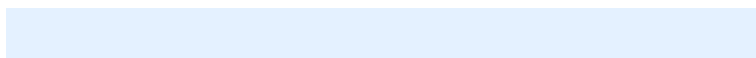
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9814, 0.2935, 0.3273



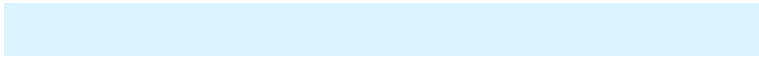
86.9814, 0.2908, 0.3177



86.9814, 0.2938, 0.3114

Triad

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



86.9814, 0.2908, 0.3177



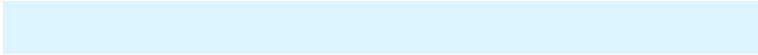
86.9814, 0.3241, 0.3206



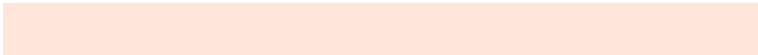
86.9814, 0.3234, 0.3489

Complementary

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



86.9814, 0.2908, 0.3177



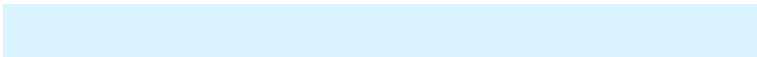
82.9702, 0.3374, 0.3400

Split Complementary

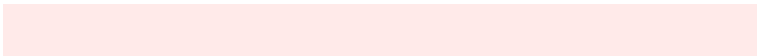
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9814, 0.3318, 0.3467



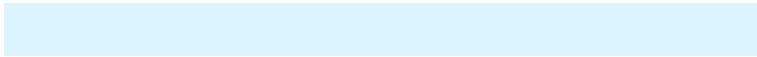
86.9814, 0.2908, 0.3177



86.9814, 0.3323, 0.3302

Square

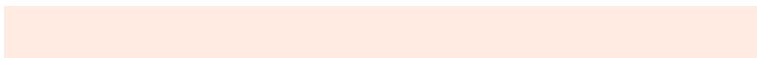
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



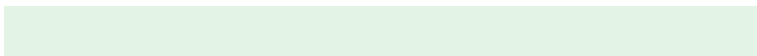
86.9814, 0.2908, 0.3177



86.9814, 0.3129, 0.3132



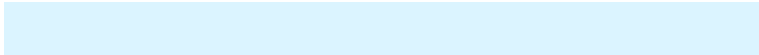
86.9814, 0.3352, 0.3397



86.9814, 0.3122, 0.3456

Rectangle

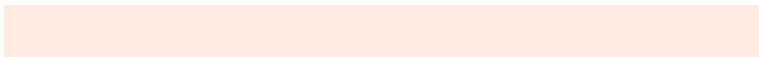
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9814, 0.2908, 0.3177



86.9814, 0.2987, 0.3097



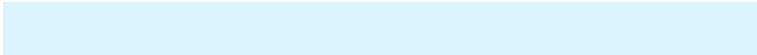
86.9814, 0.3352, 0.3397



86.9814, 0.3267, 0.3488

Sweetspot

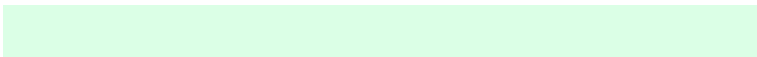
The Sweet Spot groups the original color and five complimentary colors.



86.9850, 0.2908, 0.3177



96.1449, 0.3065, 0.3260



92.2768, 0.3049, 0.3551



20.4270, 0.3054, 0.3254



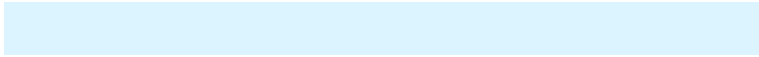
0.0000, 0.0000, 0.0000



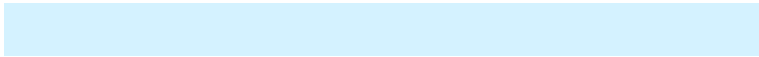
21.4041, 0.3127, 0.3290

Same Dimension

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



86.9850, 0.2908, 0.3177



84.5265, 0.2863, 0.3152



76.7927, 0.2902, 0.2990



19.4900, 0.2980, 0.3216



20.5033, 0.1961, 0.2259



2.1896, 0.1998, 0.2391

Inverse Universe

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



78.4640, 0.3217, 0.3044



74.5686, 0.3238, 0.2992



93.3803, 0.3349, 0.3573



18.2003, 0.3185, 0.3126



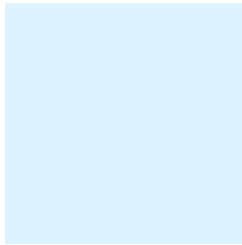
12.7978, 0.4169, 0.2070



1.2656, 0.4032, 0.1995

Previews

White Background



This preview shows how the Yxy color 86.9814, 0.2908, 0.3177 looks on a white background.

Color Contrast Check

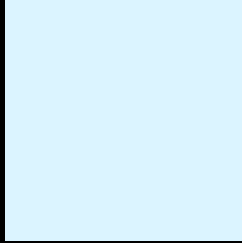
Large Text (above 18pt) WCAG AA × Fail

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 86.9814, 0.2908, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

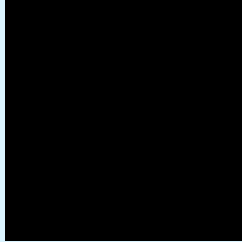
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

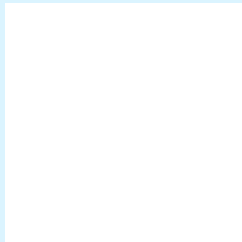
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9814, 0.2908, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 86.9814, 0.2908, 0.3177.

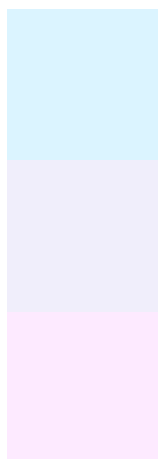


This preview shows how white text looks on a background with the Yxy color 86.9814, 0.2908, 0.3177.

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

86.9814, 0.2908, 0.3177

Protanopia

86.6394, 0.3061, 0.3161

Deuteranopia

86.9483, 0.3123, 0.3087



Tritanopia

87.0552, 0.2956, 0.3158

Trichromacy



Original Color

86.9814, 0.2908, 0.3177

Protanomaly

86.5043, 0.3004, 0.3169

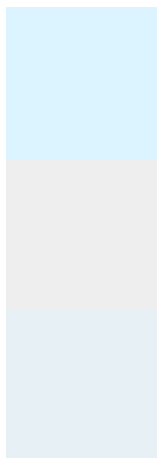
Deuteranomaly

87.0698, 0.3044, 0.3122

Tritanomaly

87.1685, 0.2938, 0.3168

Monochromacy



Original Color

86.9814, 0.2908, 0.3177

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8408, 0.3045, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9814, 0.2908, 0.3177 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(219, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 244, 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(219, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.9814, 0.2908, 0.3177 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(219, 244, 255) }
```

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

```
.border{ border-color:rgb(219, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9814, 0.2908, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 244, 255) }
```

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

```
.background{ background-color: rgb(219,  
244, 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