

Converting Colors

$Yxy(84.9941, 0.2514, 0.2752)$

Have a look what the booklet for
Yxy(84.9941, 0.2514, 0.2752)
contains.

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Color

Yxy(82.1117, 0.2709, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	B8F4FF
RGB	184, 244, 255
RGB Percent	72%, 96%, 100%
CMY	0.2783, 0.0431, 0.0001
CMYK	0.28, 0.04, 0.00, 0.00
HSL	189°, 100%, 86%
HSV	189°, 28%, 100%
XYZ	70.1705, 82.1117, 106.7452
YIQ	227.3140, -39.2910, -9.2990

Conversions

Conversions Part 2

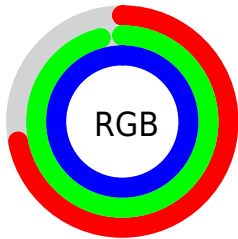
Format	Color
RYB	184, 217, 255
Decimal	12121343
CIELab	92.62, -16.31, -11.40
CIELCh	93, 19.897, 214.954
Yxy	82.1117, 0.2709, 0.3170
Android (android.graphics.Color)	4290311423 (0xFFB8F4FF)
YUV	227.3140, 13.6492, -37.9864
Hunter-Lab	90.6155, -20.3509, -6.4129

Details

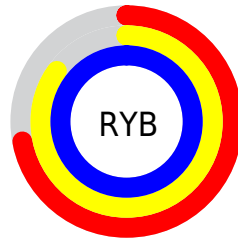
The Yxy color **82.1117, 0.2709, 0.3170** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7562, 0.3708, 0.3406**, and the grayscale version is **76.9819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **44.7108, 0.2621, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **76.8937, 0.2574, 0.3120**, and if you desaturate by 10%, it is **87.9547, 0.2854, 0.3216**.

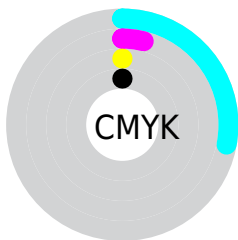
Distribution



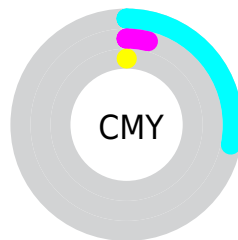
- Red (72%)
- Green (96%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1117, 0.2709, 0.3170 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 82.1117, 0.2709, 0.3170 by changing the saturation by 10% instead.

 82.1117, 0.2709,
0.3170

 82.1117, 0.2709,
0.3170


502.0212, 0.2896,
0.3227

 61.4576, 0.2668,
0.3157


 136.3306, 0.2772,
0.3190

 44.5946, 0.2618,
0.3140


170.6643, 0.2797,
0.3198

 31.1382, 0.2556,
0.3118


210.3265, 0.2819,
0.3205

 20.7041, 0.2477,
0.3090

255.7018, 0.2838,
0.3210

 12.9079, 0.2373,
0.3050

307.1746, 0.2855,
0.3216

 7.3652, 0.2231,
0.2993

365.1291, 0.2870,

 3.6915, 0.2024,

0.3220

0.2901

429.9499, 0.2884,
0.3224

1.5025, 0.1701,
0.2738

0.2905, 0.0000,
0.2058

82.1117, 0.2709,
0.3170

82.1117, 0.2709,
0.3170

76.8937, 0.2574,
0.3120

87.9547, 0.2854,
0.3216

72.2601, 0.2452,
0.3068

94.4413, 0.3006,
0.3259

68.1804, 0.2346,
0.3014

99.9991, 0.3127,
0.3290

64.6173, 0.2259,
0.2958

■ 61.5282, 0.2190,
0.2902

■ 58.8632, 0.2142,
0.2847

■ 56.5553, 0.2111,
0.2792

■ 56.0803, 0.2106,
0.2780

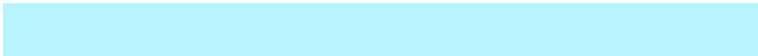
Harmonies

Analogous

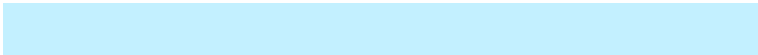
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1117, 0.2826, 0.3385



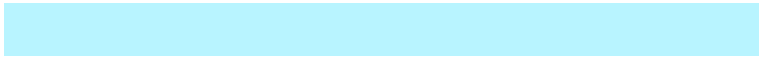
82.1117, 0.2709, 0.3170



82.1117, 0.2699, 0.2999

Triad

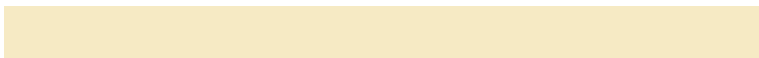
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1117, 0.2709, 0.3170



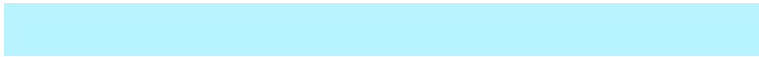
82.1117, 0.3219, 0.3024



82.1117, 0.3458, 0.3679

Complementary

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



82.1117, 0.2709, 0.3170



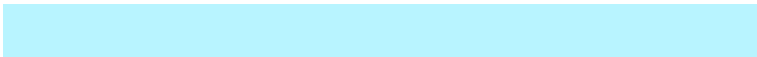
63.7562, 0.3708, 0.3406

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.



82.1117, 0.3573, 0.3563



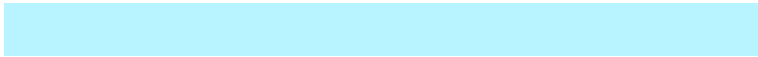
82.1117, 0.2709, 0.3170



82.1117, 0.3433, 0.3189

Square

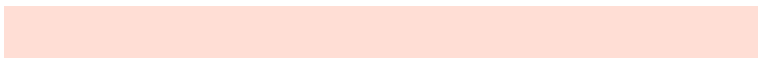
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1117, 0.2709, 0.3170



82.1117, 0.2987, 0.2924



82.1117, 0.3564, 0.3384



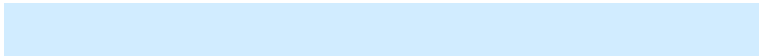
82.1117, 0.3256, 0.3688

Rectangle

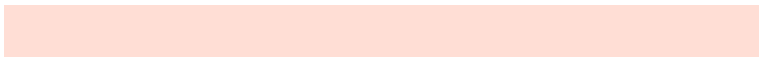
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



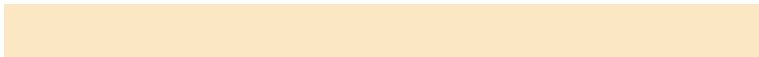
82.1117, 0.2709, 0.3170



82.1117, 0.2754, 0.2931



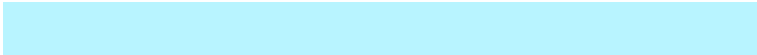
82.1117, 0.3564, 0.3384



82.1117, 0.3508, 0.3650

Sweetspot

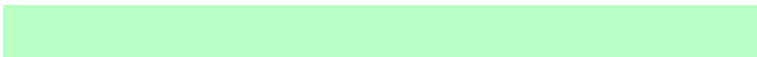
The Sweet Spot groups the original color and five complimentary colors.



82.1150, 0.2709, 0.3170



94.3356, 0.3003, 0.3258



85.6304, 0.3032, 0.3974



19.9741, 0.2980, 0.3252



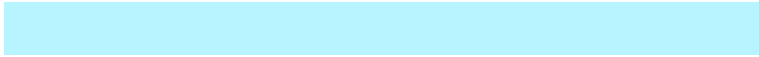
0.0000, 0.0000, 0.0000



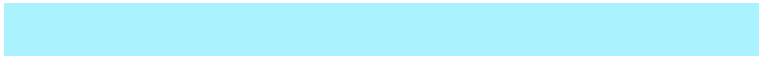
21.4041, 0.3127, 0.3290

Same Dimension

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



82.1150, 0.2709, 0.3170



79.3489, 0.2638, 0.3145



62.9476, 0.2668, 0.2772



19.9741, 0.2980, 0.3252



29.4872, 0.2108, 0.2789



2.9946, 0.2126, 0.2852

Inverse Universe

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



62.0824, 0.3242, 0.2694



56.7383, 0.3268, 0.2583



81.3971, 0.3612, 0.3758



18.2492, 0.3162, 0.3091



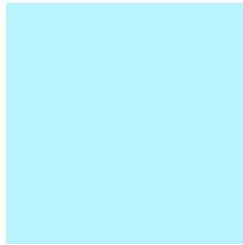
13.7047, 0.3645, 0.1782



1.3468, 0.3587, 0.1750

Previews

White Background



This preview shows how the Yxy color 82.1117, 0.2709, 0.3170 looks on a white background.

Color Contrast Check

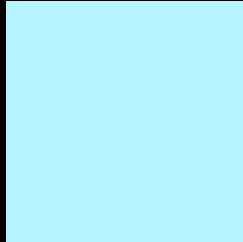
Large Text (above 18pt) WCAG AA × Fail

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 82.1117, 0.2709, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

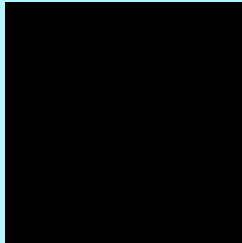
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1117, 0.2709, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 82.1117, 0.2709, 0.3170.

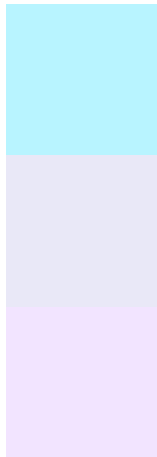


This preview shows how white text looks on a background with the Yxy color 82.1117, 0.2709, 0.3170.

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

82.1117, 0.2709, 0.3170

Protanopia

81.7523, 0.3041, 0.3137

Deuteranopia

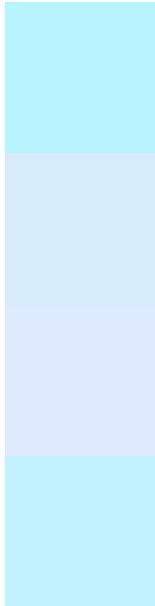
81.5841, 0.3052, 0.3022



Tritanopia

81.6823, 0.2788, 0.3130

Trichromacy



Original Color

82.1117, 0.2709, 0.3170

Protanomaly

81.3401, 0.2909, 0.3143

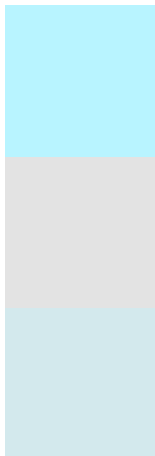
Deuteranomaly

81.4378, 0.2917, 0.3073

Tritanomaly

81.5999, 0.2760, 0.3139

Monochromacy



Original Color

82.1117, 0.2709, 0.3170

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.2411, 0.2958, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1117, 0.2709, 0.3170 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(184, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.1117, 0.2709, 0.3170 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(184, 244, 255) }
```

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

```
.border{ border-color:rgb(184, 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(184, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1117, 0.2709, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 244, 255) }
```

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

```
.background{ background-color: rgb(184,  
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](#).

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