

Converting Colors

$Y_{xy}(85.8402, 0.2530, 0.2727)$

Have a look what the booklet for
Yxy(85.8402, 0.2530, 0.2727)
contains.

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Color

Yxy(82.8685, 0.2741, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	BEF4FF
RGB	190, 244, 255
RGB Percent	75%, 96%, 100%
CMY	0.2550, 0.0431, 0.0000
CMYK	0.26, 0.04, 0.00, 0.00
HSL	190°, 100%, 87%
HSV	190°, 26%, 100%
XYZ	71.6312, 82.8685, 106.8327
YIQ	229.1080, -35.7150, -8.0270

Conversions

Conversions Part 2

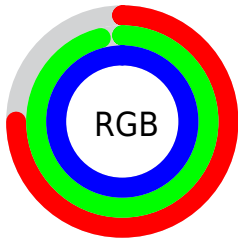
Format	Color
R _Y B	190, 219, 255
Decimal	12514559
CIE Lab	92.96, -14.63, -10.88
CIE LCh	93, 18.230, 216.642
Yxy	82.8685, 0.2741, 0.3171
Android (android.graphics.Color)	4290704639 (0xFFBEF4FF)
YUV	229.1080, 12.7648, -34.2977
Hunter-Lab	91.0321, -18.8485, -5.8585

Details

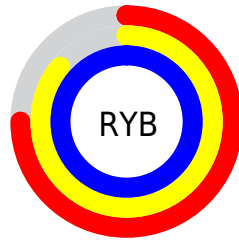
The Yxy color **82.8685, 0.2741, 0.3171** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.7328, 0.3644, 0.3405**, and the grayscale version is **78.3601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **45.1946, 0.2660, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **77.3071, 0.2602, 0.3118**, and if you desaturate by 10%, it is **89.0706, 0.2889, 0.3221**.

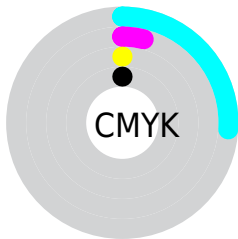
Distribution



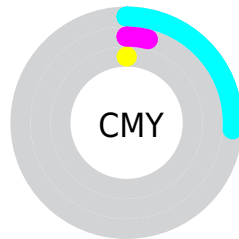
- Red (75%)
- Green (96%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8685, 0.2741, 0.3171 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 82.8685, 0.2741, 0.3171 by changing the saturation by 10% instead.

82.8685, 0.2741,
0.3171

82.8685, 0.2741,
0.3171

504.5482, 0.2913,
0.3227

62.0817, 0.2703,
0.3158

137.3913, 0.2800,
0.3191

45.0987, 0.2657,
0.3142

171.8960, 0.2823,
0.3198

31.5352, 0.2600,
0.3121

211.7422, 0.2843,
0.3205

21.0067, 0.2527,
0.3093

257.3141, 0.2860,
0.3211

13.1289, 0.2431,
0.3055

308.9963, 0.2876,
0.3216

7.5174, 0.2299,
0.3001

367.1731, 0.2890,

3.7877, 0.2107,

0.3220

0.2914

432.2290, 0.2902,
0.3224

■ 1.5555, 0.1806,
0.2762

■ 0.3273, 0.0000,
0.2253

■ 82.8685, 0.2741,
0.3171

■ 82.8685, 0.2741,
0.3171

■ 77.3071, 0.2602,
0.3118

■ 89.0706, 0.2889,
0.3221

■ 72.3476, 0.2476,
0.3061

■ 95.9330, 0.3042,
0.3267

■ 67.9597, 0.2364,
0.3002

100.0000, 0.3127,
0.3290

■ 64.1069, 0.2270,
0.2941

■ 60.7480, 0.2195,
0.2880

■ 57.8349, 0.2140,
0.2818

■ 55.3082, 0.2104,
0.2758

■ 54.2590, 0.2092,
0.2730

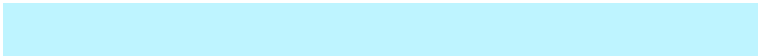
Harmonies

Analogous

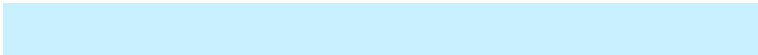
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8685, 0.2844, 0.3366



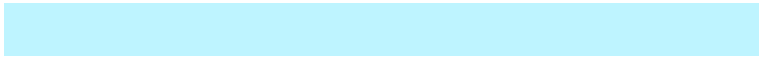
82.8685, 0.2741, 0.3171



82.8685, 0.2738, 0.3018

Triad

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



82.8685, 0.2741, 0.3171



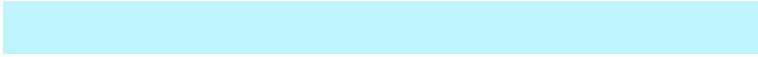
82.8685, 0.3224, 0.3053



82.8685, 0.3421, 0.3648

Complementary

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



82.8685, 0.2741, 0.3171



66.7328, 0.3644, 0.3405

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.



82.8685, 0.3531, 0.3549



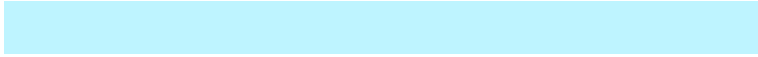
82.8685, 0.2741, 0.3171



82.8685, 0.3415, 0.3208

Square

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



82.8685, 0.2741, 0.3171



82.8685, 0.3011, 0.2957



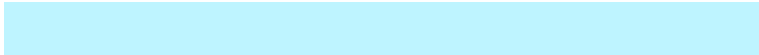
82.8685, 0.3530, 0.3387



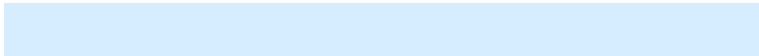
82.8685, 0.3234, 0.3650

Rectangle

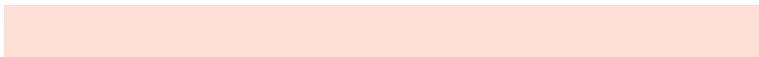
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



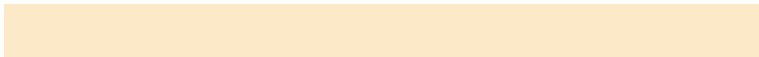
82.8685, 0.2741, 0.3171



82.8685, 0.2792, 0.2958



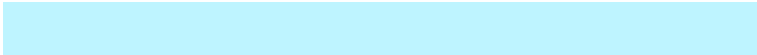
82.8685, 0.3530, 0.3387



82.8685, 0.3469, 0.3624

Sweetspot

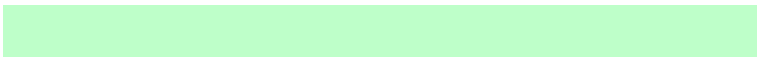
The Sweet Spot groups the original color and five complimentary colors.



82.8714, 0.2741, 0.3171



94.1541, 0.3003, 0.3256



86.6719, 0.3034, 0.3895



19.9281, 0.2980, 0.3249



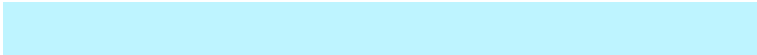
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.8714, 0.2741, 0.3171



79.7346, 0.2663, 0.3142



65.0755, 0.2708, 0.2809



19.9281, 0.2980, 0.3249



28.5441, 0.2095, 0.2741



2.9113, 0.2114, 0.2810

Inverse Universe

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



64.6078, 0.3238, 0.2753



58.6803, 0.3267, 0.2636



83.4383, 0.3564, 0.3728



18.2445, 0.3164, 0.3095



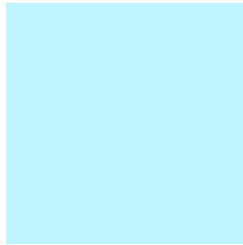
13.6095, 0.3690, 0.1806



1.3384, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 82.8685, 0.2741, 0.3171 looks on a white background.

Color Contrast Check

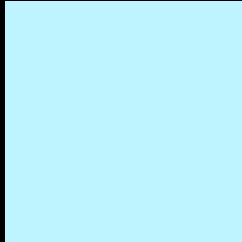
Large Text (above 18pt) WCAG AA × Fail

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 82.8685, 0.2741, 0.3171 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

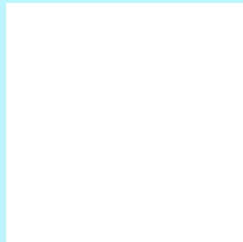
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8685, 0.2741, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 82.8685, 0.2741, 0.3171.

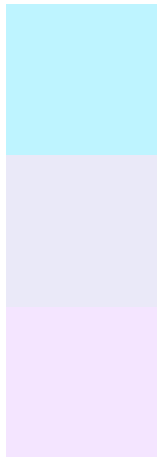


This preview shows how white text looks on a background with the Yxy color 82.8685, 0.2741, 0.3171.

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

82.8685, 0.2741, 0.3171

Protanopia

82.5476, 0.3041, 0.3138

Deuteranopia

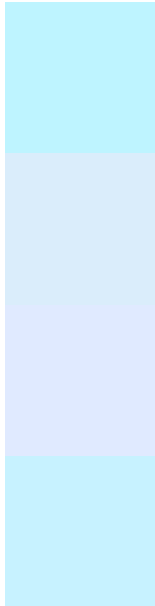
82.4917, 0.3065, 0.3033



Tritanopia

82.9680, 0.2818, 0.3142

Trichromacy



Original Color

82.8685, 0.2741, 0.3171

Protanomaly

82.4388, 0.2922, 0.3144

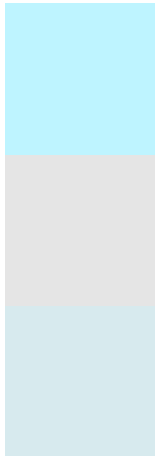
Deuteranomaly

81.9129, 0.2936, 0.3075

Tritanomaly

82.8664, 0.2790, 0.3151

Monochromacy



Original Color

82.8685, 0.2741, 0.3171

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.4658, 0.2978, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8685, 0.2741, 0.3171 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(190, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8685, 0.2741, 0.3171 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(190, 244, 255) }
```

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

```
.border{ border-color:rgb(190, 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(190, 244, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8685, 0.2741, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 244, 255) }
```

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

```
.background{ background-color: rgb(190,  
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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