

Converting Colors

$Yxy(82.7926, 0.2721, 0.3178)$

Have a look what the booklet for
Yxy(82.7926, 0.2721, 0.3178)
contains.

Yxy(82.9639, 0.2721, 0.3181)	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(82.9639, 0.2721, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	BAF5FF
RGB	186, 245, 255
RGB Percent	73%, 96%, 100%
CMY	0.2703, 0.0393, 0.0000
CMYK	0.27, 0.04, 0.00, 0.00
HSL	189°, 100%, 86%
HSV	189°, 27%, 100%
XYZ	70.9666, 82.9639, 106.8802
YIQ	228.4990, -38.3740, -9.3980

Conversions

Conversions Part 2

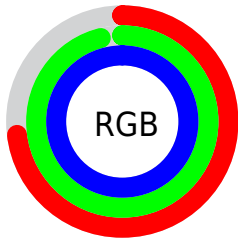
Format	Color
R_{YB}	186, 218, 255
Decimal	12252671
CIE _{Lab}	93.00, -16.22, -10.84
CIE _{LCh}	93, 19.507, 213.750
Yxy	82.9639, 0.2721, 0.3181
Android (android.graphics.Color)	4290442751 (0xFFBAF5FF)
YUV	228.4990, 13.0650, -37.2716
Hunter-Lab	91.0845, -20.3234, -5.8128

Details

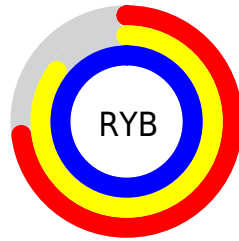
The Yxy color **82.9639, 0.2721, 0.3181** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3321, 0.3688, 0.3396**, and the grayscale version is **77.9043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **45.2977, 0.2636, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **77.8324, 0.2586, 0.3135**, and if you desaturate by 10%, it is **88.7168, 0.2866, 0.3224**.

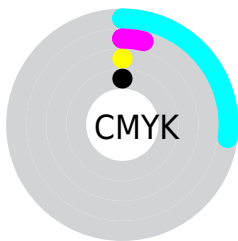
Distribution



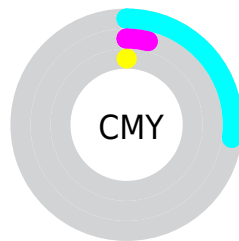
- Red (73%)
- Green (96%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9639, 0.2721, 0.3181 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 82.9639, 0.2721, 0.3181 by changing the saturation by 10% instead.

82.9639, 0.2721,
0.3181

82.9639, 0.2721,
0.3181

504.8662, 0.2902,
0.3233

62.1604, 0.2681,
0.3169

137.5249, 0.2783,
0.3199

45.1623, 0.2633,
0.3153

172.0512, 0.2807,
0.3206

31.5853, 0.2573,
0.3134

211.9204, 0.2828,
0.3213

21.0449, 0.2497,
0.3108

257.5172, 0.2846,
0.3218

13.1568, 0.2396,
0.3072

309.2257, 0.2863,
0.3222

7.5366, 0.2258,
0.3020

367.4305, 0.2877,

3.7999, 0.2058,

0.3226

0.2936

432.5158, 0.2890,
0.3230

1.5623, 0.1746,
0.2787

0.3320, 0.0000,
0.2274

82.9639, 0.2721,
0.3181

82.9639, 0.2721,
0.3181

77.8324, 0.2586,
0.3135

88.7168, 0.2866,
0.3224

73.2819, 0.2464,
0.3086

95.1096, 0.3018,
0.3264

69.2823, 0.2358,
0.3035

100.0000, 0.3127,
0.3290

65.7967, 0.2270,
0.2984

■ 62.7830, 0.2202,
0.2931

■ 60.1920, 0.2153,
0.2879

■ 57.9609, 0.2122,
0.2828

■ 57.3388, 0.2115,
0.2813

Harmonies

Analogous

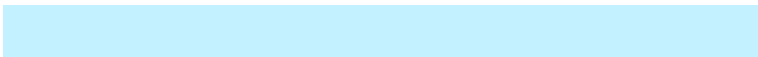
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9639, 0.2839, 0.3392



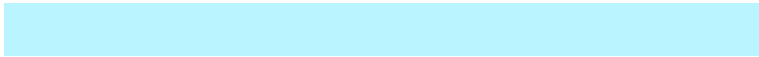
82.9639, 0.2721, 0.3181



82.9639, 0.2707, 0.3011

Triad

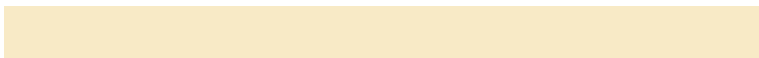
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9639, 0.2721, 0.3181



82.9639, 0.3208, 0.3024



82.9639, 0.3457, 0.3667

Complementary

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



82.9639, 0.2721, 0.3181



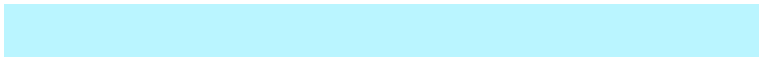
64.3321, 0.3688, 0.3396

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.



82.9639, 0.3565, 0.3551



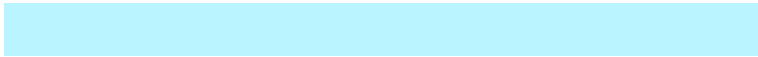
82.9639, 0.2721, 0.3181



82.9639, 0.3419, 0.3184

Square

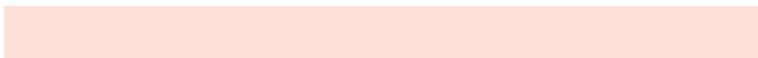
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9639, 0.2721, 0.3181



82.9639, 0.2982, 0.2929



82.9639, 0.3551, 0.3374



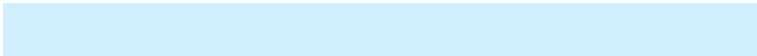
82.9639, 0.3262, 0.3681

Rectangle

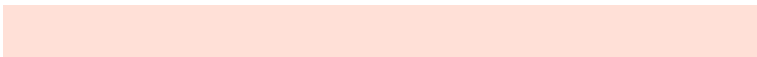
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



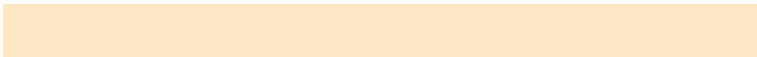
82.9639, 0.2721, 0.3181



82.9639, 0.2758, 0.2942



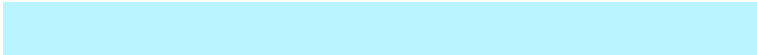
82.9639, 0.3551, 0.3374



82.9639, 0.3505, 0.3638

Sweetspot

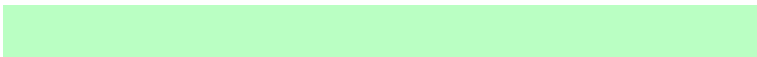
The Sweet Spot groups the original color and five complimentary colors.



82.9672, 0.2721, 0.3181



94.4578, 0.3003, 0.3260



85.9222, 0.3041, 0.3964



20.0050, 0.2980, 0.3255



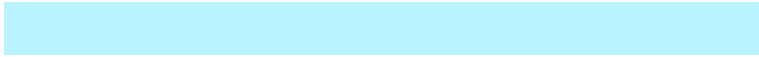
0.0000, 0.0000, 0.0000



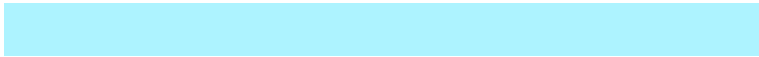
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9672, 0.2721, 0.3181



80.3380, 0.2652, 0.3158



64.4340, 0.2684, 0.2802



20.0050, 0.2980, 0.3255



30.1325, 0.2117, 0.2821



3.0514, 0.2133, 0.2880

Inverse Universe

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



63.0052, 0.3233, 0.2706



57.7806, 0.3257, 0.2597



81.2527, 0.3599, 0.3733



18.2523, 0.3160, 0.3089



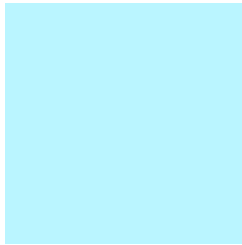
13.7699, 0.3615, 0.1765



1.3526, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 82.9639, 0.2721, 0.3181 looks on a white background.

Color Contrast Check

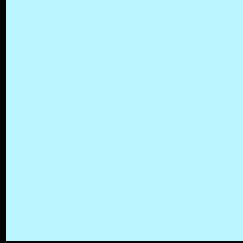
Large Text (above 18pt) WCAG AA × Fail

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 82.9639, 0.2721, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

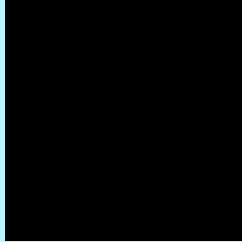
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9639, 0.2721, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 82.9639, 0.2721, 0.3181.

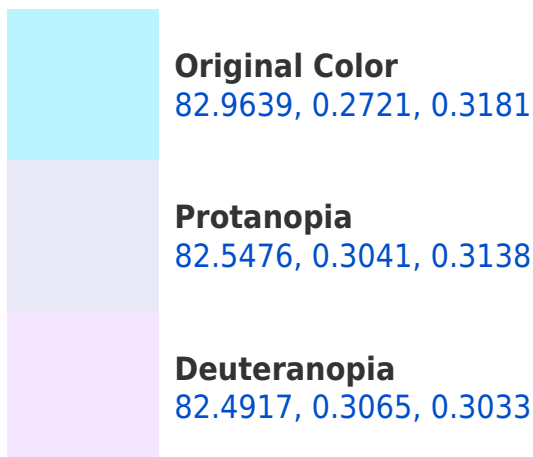


This preview shows how white text looks on a background with the Yxy color 82.9639, 0.2721, 0.3181.

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





Tritanopia

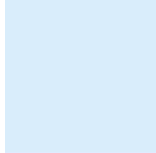
82.8271, 0.2812, 0.3142

Trichromacy



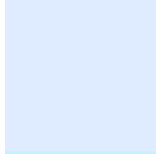
Original Color

82.9639, 0.2721, 0.3181



Protanomaly

82.2851, 0.2916, 0.3144



Deuteranomaly

82.3246, 0.2930, 0.3085



Tritanomaly

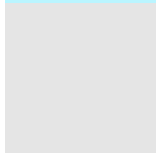
82.5946, 0.2778, 0.3151

Monochromacy



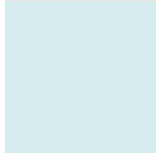
Original Color

82.9639, 0.2721, 0.3181



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

79.7358, 0.2965, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9639, 0.2721, 0.3181 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(186, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 245, 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(186, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.9639, 0.2721, 0.3181 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(186, 245, 255) }
```

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

```
.border{ border-color:rgb(186, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9639, 0.2721, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 245, 255) }
```

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

```
.background{ background-color: rgb(186,  
245, 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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