

Converting Colors

$Yxy(85.9117, 0.2434, 0.2707)$

Have a look what the booklet for
Yxy(85.9117, 0.2434, 0.2707)
contains.

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Color

Yxy(82.5122, 0.2651, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	ACF7FF
RGB	172, 247, 255
RGB Percent	67%, 97%, 100%
CMY	0.3252, 0.0314, 0.0000
CMYK	0.33, 0.03, 0.00, 0.00
HSL	186°, 100%, 84%
HSV	186°, 33%, 100%
XYZ	68.3348, 82.5122, 106.9230
YIQ	225.4870, -47.2680, -13.4120

Conversions

Conversions Part 2

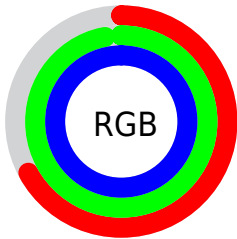
Format	Color
RYB	172, 211, 255
Decimal	11335679
CIELab	92.80, -21.04, -11.21
CIELCh	93, 23.841, 208.036
Yxy	82.5122, 0.2651, 0.3201
Android (android.graphics.Color)	4289525759 (0xFFACF7FF)
YUV	225.4870, 14.5499, -46.9081
Hunter-Lab	90.8362, -24.6803, -6.2047

Details

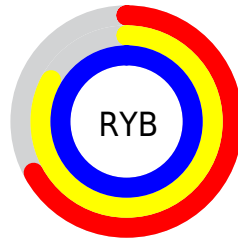
The Yxy color **82.5122, 0.2651, 0.3201** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.9136, 0.3858, 0.3376**, and the grayscale version is **75.5953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **45.0518, 0.2550, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **78.4056, 0.2527, 0.3170**, and if you desaturate by 10%, it is **87.1988, 0.2788, 0.3231**.

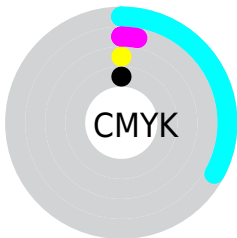
Distribution



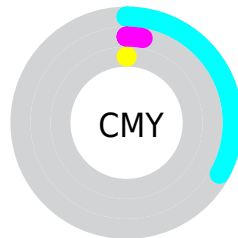
- Red (67%)
- Green (97%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5122, 0.2651, 0.3201 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 82.5122, 0.2651, 0.3201 by changing the saturation by 10% instead.


 82.5122, 0.2651,
0.3201

 82.5122, 0.2651,
0.3201


503.3594, 0.2863,
0.3245

 61.7878, 0.2605,
0.3190

 136.8920, 0.2723,
0.3217

 44.8613, 0.2548,
0.3177


171.3163, 0.2751,
0.3223

 31.3482, 0.2478,
0.3159


211.0760, 0.2776,
0.3228

 20.8641, 0.2389,
0.3135

256.5555, 0.2798,
0.3233

 13.0247, 0.2273,
0.3102

308.1391, 0.2817,
0.3236

 7.4456, 0.2114,
0.3051

366.2114, 0.2834,

 3.7423, 0.1885,

0.3240

0.2969

431.1567, 0.2849,
0.3243

■ 1.5305, 0.1534,
0.2818

■ 0.3100, 0.0000,
0.2153

■ 82.5122, 0.2651,
0.3201

■ 82.5122, 0.2651,
0.3201

■ 78.4056, 0.2527,
0.3170

■ 87.1988, 0.2788,
0.3231

■ 74.8373, 0.2419,
0.3137

■ 92.4849, 0.2934,
0.3258

■ 71.7755, 0.2330,
0.3104

■ 98.4010, 0.3088,
0.3284

■ 69.1810, 0.2259,
0.3070

■ 99.9994, 0.3127,
0.3290

■ 67.0084, 0.2208,
0.3036

■ 65.2027, 0.2176,
0.3003

■ 64.0309, 0.2161,
0.2978

Harmonies

Analogous

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



82.5122, 0.2815, 0.3463



82.5122, 0.2651, 0.3201



82.5122, 0.2609, 0.2980

Triad

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



82.5122, 0.2651, 0.3201



82.5122, 0.3171, 0.2939



82.5122, 0.3565, 0.3732

Complementary

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



82.5122, 0.2651, 0.3201



56.9136, 0.3858, 0.3376

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.



82.5122, 0.3673, 0.3568



82.5122, 0.2651, 0.3201



82.5122, 0.3440, 0.3119

Square

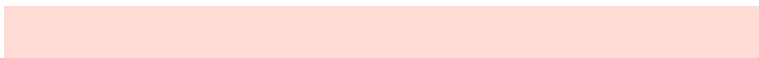
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5122, 0.2651, 0.3201



82.5122, 0.2900, 0.2842



82.5122, 0.3627, 0.3345



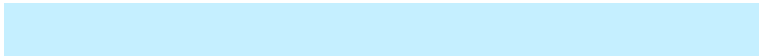
82.5122, 0.3341, 0.3779

Rectangle

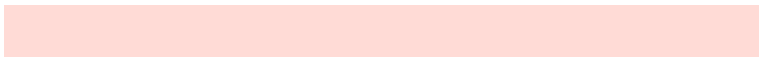
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5122, 0.2651, 0.3201



82.5122, 0.2655, 0.2883



82.5122, 0.3627, 0.3345



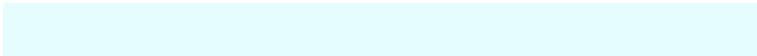
82.5122, 0.3617, 0.3687

Sweetspot

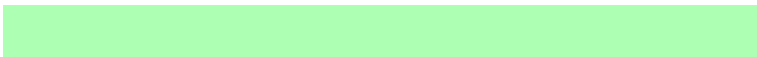
The Sweet Spot groups the original color and five complimentary colors.



82.5155, 0.2651, 0.3201



93.9208, 0.2972, 0.3265



83.5476, 0.3046, 0.4177



19.9311, 0.2951, 0.3261



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.



82.5155, 0.2651, 0.3201



79.7938, 0.2569, 0.3181



60.4433, 0.2593, 0.2735



20.1641, 0.2980, 0.3266



33.5830, 0.2162, 0.2984



3.3533, 0.2173, 0.3022

Inverse Universe

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



57.5082, 0.3227, 0.2550



51.5036, 0.3251, 0.2406



75.6595, 0.3724, 0.3787



18.2684, 0.3153, 0.3078



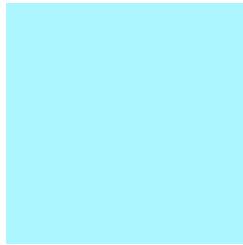
14.1182, 0.3469, 0.1684



1.3831, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 82.5122, 0.2651, 0.3201 looks on a white background.

Color Contrast Check

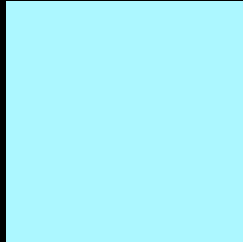
Large Text (above 18pt) WCAG AA × Fail

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 82.5122, 0.2651, 0.3201 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 82.5122, 0.2651, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 82.5122, 0.2651, 0.3201.

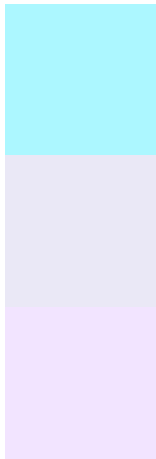


This preview shows how white text looks on a background with the Yxy color 82.5122, 0.2651, 0.3201.

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

82.5122, 0.2651, 0.3201

Protanopia

81.8595, 0.3054, 0.3147

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

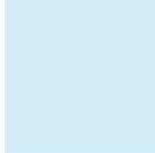
82.0009, 0.2777, 0.3140

Trichromacy



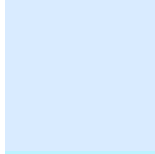
Original Color

82.5122, 0.2651, 0.3201



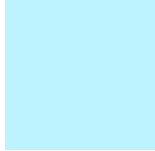
Protanomaly

81.2568, 0.2890, 0.3163



Deuteranomaly

81.3884, 0.2892, 0.3082



Tritanomaly

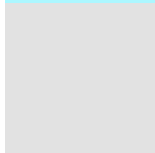
82.0126, 0.2729, 0.3160

Monochromacy



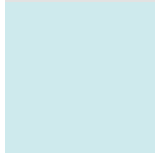
Original Color

82.5122, 0.2651, 0.3201



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.0819, 0.2927, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5122, 0.2651, 0.3201 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(172, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 247, 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(172, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.5122, 0.2651, 0.3201 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(172, 247, 255) }
```

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

```
.border{ border-color:rgb(172, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5122, 0.2651, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 247, 255) }
```

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

```
.background{ background-color: rgb(172,  
247, 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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