

Converting Colors

Yxy(83.3531, 0.2685, 0.3203)

Have a look what the booklet for
Yxy(83.3531, 0.2685, 0.3203)
contains.

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Color

Yxy(83.3252, 0.2686, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	B3F7FF
RGB	179, 247, 255
RGB Percent	70%, 97%, 100%
CMY	0.2981, 0.0313, 0.0000
CMYK	0.30, 0.03, 0.00, 0.00
HSL	186°, 100%, 85%
HSV	186°, 30%, 100%
XYZ	69.8974, 83.3252, 107.0060
YIQ	227.5800, -43.0960, -11.9280

Conversions

Conversions Part 2

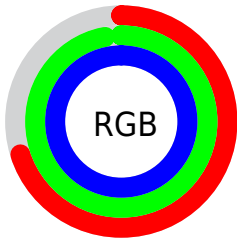
Format	Color
R _Y B	179, 215, 255
Decimal	11794431
CIE Lab	93.16, -19.19, -10.64
CIE LCh	93, 21.944, 209.013
Yxy	83.3252, 0.2686, 0.3202
Android (android.graphics.Color)	4289984511 (0xFFB3F7FF)
YUV	227.5800, 13.5181, -42.6047
Hunter-Lab	91.2826, -23.0627, -5.6048

Details

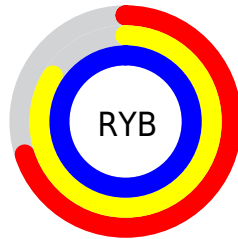
The Yxy color **83.3252, 0.2686, 0.3202** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.0435, 0.3775, 0.3376**, and the grayscale version is **77.1827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **45.6239, 0.2596, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **78.9384, 0.2558, 0.3168**, and if you desaturate by 10%, it is **88.3040, 0.2826, 0.3234**.

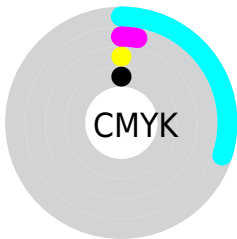
Distribution



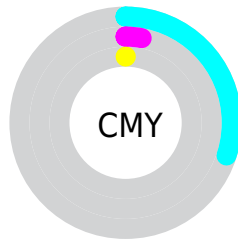
- Red (70%)
- Green (97%)
- Blue (100%)



- Red (70%)
- Yellow (84%)
- Blue (100%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3252, 0.2686, 0.3202 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 83.3252, 0.2686, 0.3202 by changing the saturation by 10% instead.


 83.3252, 0.2686,
0.3202

 83.3252, 0.2686,
0.3202


506.0697, 0.2882,
0.3245

 62.4585, 0.2643,
0.3192


 138.0308, 0.2753,
0.3217

 45.4032, 0.2591,
0.3179


172.6385, 0.2779,
0.3223

 31.7752, 0.2526,
0.3162


212.5953, 0.2802,
0.3228

 21.1898, 0.2444,
0.3139

258.2856, 0.2822,
0.3233

 13.2628, 0.2336,
0.3107

310.0938, 0.2840,
0.3236

 7.6098, 0.2188,
0.3060

368.4043, 0.2855,

 3.8463, 0.1975,

0.3240

0.2984

433.6014, 0.2870,
0.3243

1.5880, 0.1645,
0.2845

0.3495, 0.0000,
0.2356

83.3252, 0.2686,
0.3202

83.3252, 0.2686,
0.3202

78.9384, 0.2558,
0.3168

88.3040, 0.2826,
0.3234

75.1024, 0.2444,
0.3133

93.8936, 0.2975,
0.3263

71.7866, 0.2348,
0.3097

100.0000, 0.3127,
0.3290

68.9528, 0.2271,
0.3060

■ 66.5576, 0.2214,
0.3023

■ 64.5491, 0.2176,
0.2986

■ 62.8443, 0.2153,
0.2950

■ 62.8133, 0.2153,
0.2949

Harmonies

Analogous

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



83.3252, 0.2834, 0.3441



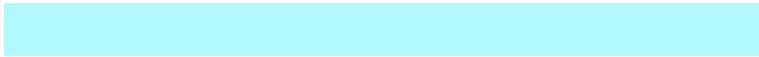
83.3252, 0.2686, 0.3202



83.3252, 0.2651, 0.3001

Triad

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



83.3252, 0.2686, 0.3202



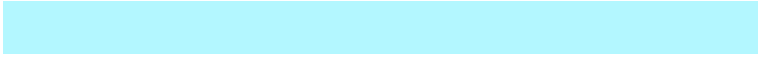
83.3252, 0.3176, 0.2971



83.3252, 0.3524, 0.3699

Complementary

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



83.3252, 0.2686, 0.3202



60.0435, 0.3775, 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.



83.3252, 0.3626, 0.3553



83.3252, 0.2686, 0.3202



83.3252, 0.3421, 0.3140

Square

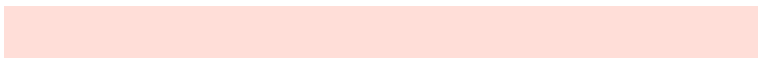
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3252, 0.2686, 0.3202



83.3252, 0.2926, 0.2879



83.3252, 0.3589, 0.3349



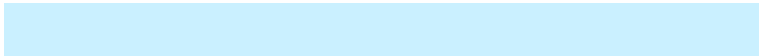
83.3252, 0.3316, 0.3737

Rectangle

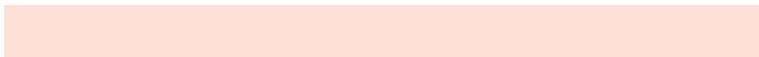
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3252, 0.2686, 0.3202



83.3252, 0.2696, 0.2913



83.3252, 0.3589, 0.3349



83.3252, 0.3572, 0.3660

Sweetspot

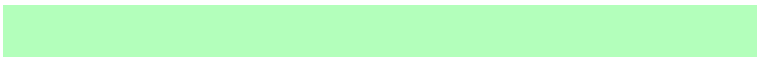
The Sweet Spot groups the original color and five complimentary colors.



83.3285, 0.2686, 0.3202



94.3745, 0.2988, 0.3266



84.6717, 0.3046, 0.4076



20.0159, 0.2965, 0.3262



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.



83.3285, 0.2686, 0.3202



80.5442, 0.2605, 0.3181



62.5940, 0.2638, 0.2774



20.1359, 0.2980, 0.3264



32.9532, 0.2154, 0.2955



3.2984, 0.2166, 0.2997

Inverse Universe

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



60.2092, 0.3223, 0.2617



54.1394, 0.3246, 0.2479



78.1446, 0.3662, 0.3756



18.2655, 0.3154, 0.3080



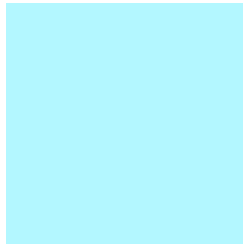
14.0546, 0.3494, 0.1698



1.3775, 0.3457, 0.1678

Previews

White Background



This preview shows how the Yxy color 83.3252, 0.2686, 0.3202 looks on a white background.

Color Contrast Check

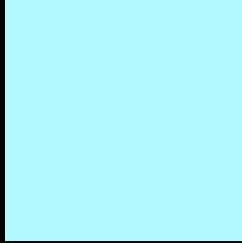
Large Text (above 18pt) WCAG AA × Fail

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 83.3252, 0.2686, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

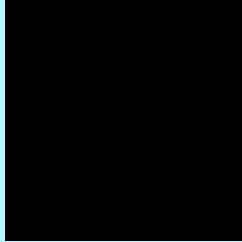
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3252, 0.2686, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 83.3252, 0.2686, 0.3202.

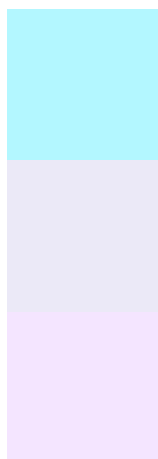


This preview shows how white text looks on a background with the Yxy color 83.3252, 0.2686, 0.3202.

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

83.3252, 0.2686, 0.3202

Protanopia

82.6554, 0.3054, 0.3148

Deuteranopia

82.4917, 0.3065, 0.3033



Tritanopia

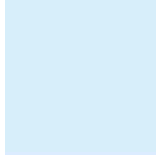
83.2808, 0.2807, 0.3152

Trichromacy



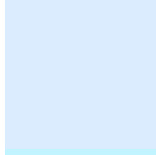
Original Color

83.3252, 0.2686, 0.3202



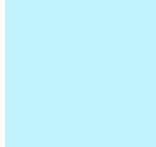
Protanomaly

82.4983, 0.2909, 0.3164



Deuteranomaly

82.4265, 0.2911, 0.3094



Tritanomaly

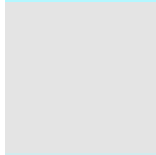
83.3907, 0.2763, 0.3172

Monochromacy



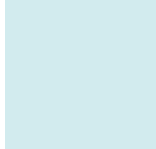
Original Color

83.3252, 0.2686, 0.3202



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.2913, 0.2946, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3252, 0.2686, 0.3202 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(179, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.3252, 0.2686, 0.3202 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(179, 247, 255) }
```

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

```
.border{ border-color:rgb(179, 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(179, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3252, 0.2686, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 247, 255) }
```

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

```
.background{ background-color: rgb(179,  
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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