

Converting Colors

$Yxy(82.9631, 0.2708, 0.3186)$

Have a look what the booklet for
Yxy(82.9631, 0.2708, 0.3186)
contains.

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Color

Yxy(83.3219, 0.2711, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	B8F6FF
RGB	184, 246, 255
RGB Percent	72%, 96%, 100%
CMY	0.2785, 0.0352, 0.0001
CMYK	0.28, 0.04, 0.00, 0.00
HSL	188°, 100%, 86%
HSV	188°, 28%, 100%
XYZ	70.7662, 83.3219, 106.9454
YIQ	228.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

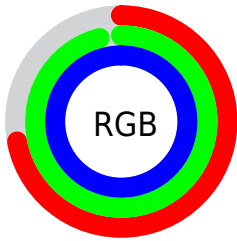
Format	Color
RYB	184, 217, 255
Decimal	12121855
CIELab	93.16, -17.32, -10.61
CIELCh	93, 20.312, 211.484
Yxy	83.3219, 0.2711, 0.3192
Android (android.graphics.Color)	4290311935 (0xFFB8F6FF)
YUV	228.4880, 13.0704, -39.0160
Hunter-Lab	91.2808, -21.3579, -5.5681

Details

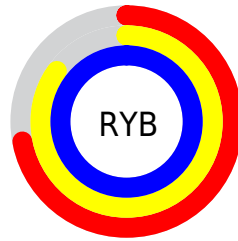
The Yxy color **83.3219, 0.2711, 0.3192** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.8346, 0.3714, 0.3385**, and the grayscale version is **77.8815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **45.5713, 0.2625, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **78.5123, 0.2578, 0.3152**, and if you desaturate by 10%, it is **88.7397, 0.2854, 0.3230**.

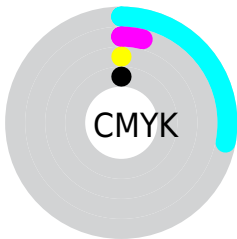
Distribution



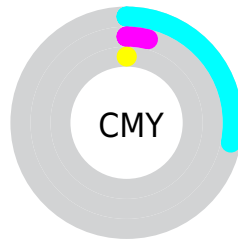
- Red (72%)
- Green (96%)
- Blue (100%)



- 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 83.3219, 0.2711, 0.3192 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 83.3219, 0.2711, 0.3192 by changing the saturation by 10% instead.


 83.3219, 0.2711,
0.3192

 83.3219, 0.2711,
0.3192

506.0587, 0.2896,
0.3239

 62.4557, 0.2670,
0.3181


 138.0262, 0.2774,
0.3209

 45.4010, 0.2621,
0.3167


172.6332, 0.2799,
0.3215

 31.7734, 0.2560,
0.3149


212.5892, 0.2820,
0.3221

 21.1885, 0.2482,
0.3125

258.2786, 0.2839,
0.3225

 13.2619, 0.2379,
0.3091

310.0859, 0.2856,
0.3230

 7.6091, 0.2239,
0.3042

368.3954, 0.2871,

 3.8459, 0.2036,

0.3233

0.2964

433.5915, 0.2884,
0.3237

■ 1.5877, 0.1719,
0.2822

■ 0.3493, 0.0000,
0.2360

■ 83.3219, 0.2711,
0.3192

■ 83.3219, 0.2711,
0.3192

■ 78.5123, 0.2578,
0.3152

■ 88.7397, 0.2854,
0.3230

■ 74.2701, 0.2460,
0.3109

■ 94.7841, 0.3005,
0.3265

■ 70.5652, 0.2357,
0.3066

99.9989, 0.3127,
0.3290

■ 67.3603, 0.2274,
0.3021

■ 64.6131, 0.2210,
0.2976

■ 62.2736, 0.2165,
0.2931

■ 60.2751, 0.2138,
0.2887

■ 59.8688, 0.2133,
0.2878

Harmonies

Analogous

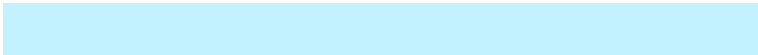
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3219, 0.2841, 0.3412



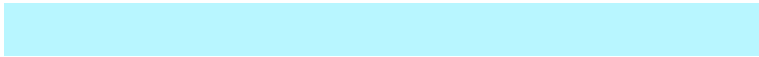
83.3219, 0.2711, 0.3192



83.3219, 0.2688, 0.3010

Triad

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



83.3219, 0.2711, 0.3192



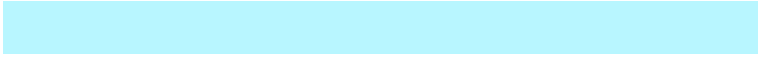
83.3219, 0.3193, 0.3004



83.3219, 0.3482, 0.3676

Complementary

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



83.3219, 0.2711, 0.3192



62.8346, 0.3714, 0.3385

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.



83.3219, 0.3586, 0.3549



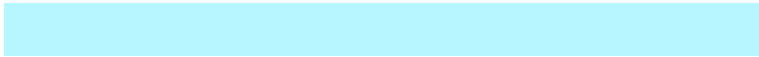
83.3219, 0.2711, 0.3192



83.3219, 0.3416, 0.3166

Square

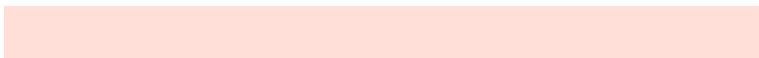
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



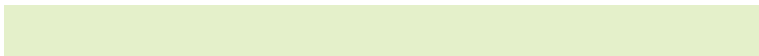
83.3219, 0.2711, 0.3192



83.3219, 0.2959, 0.2912



83.3219, 0.3562, 0.3362



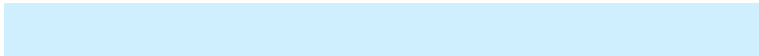
83.3219, 0.3284, 0.3700

Rectangle

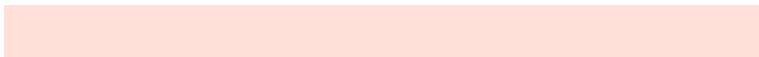
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



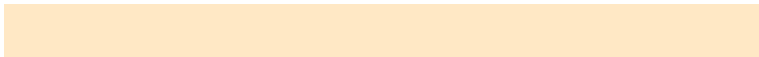
83.3219, 0.2711, 0.3192



83.3219, 0.2735, 0.2934



83.3219, 0.3562, 0.3362



83.3219, 0.3530, 0.3643

Sweetspot

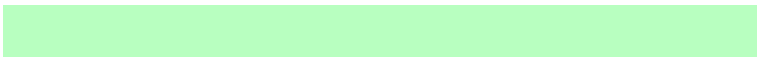
The Sweet Spot groups the original color and five complimentary colors.



83.3252, 0.2711, 0.3192



94.7005, 0.3003, 0.3264



85.5146, 0.3045, 0.4002



20.0666, 0.2980, 0.3259



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.



83.3252, 0.2711, 0.3192



80.7836, 0.2641, 0.3172



64.0931, 0.2671, 0.2799



20.0666, 0.2980, 0.3259



31.4410, 0.2135, 0.2885



3.1662, 0.2149, 0.2935

Inverse Universe

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



62.1834, 0.3227, 0.2675



56.8832, 0.3249, 0.2561



80.0742, 0.3619, 0.3736



18.2585, 0.3157, 0.3085



13.9020, 0.3557, 0.1733



1.3642, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 83.3219, 0.2711, 0.3192 looks on a white background.

Color Contrast Check

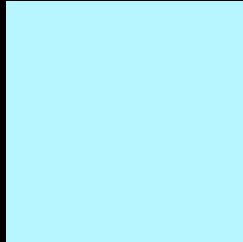
Large Text (above 18pt) WCAG AA × Fail

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 83.3219, 0.2711, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

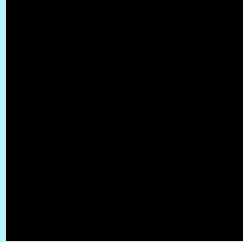
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3219, 0.2711, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 83.3219, 0.2711, 0.3192.

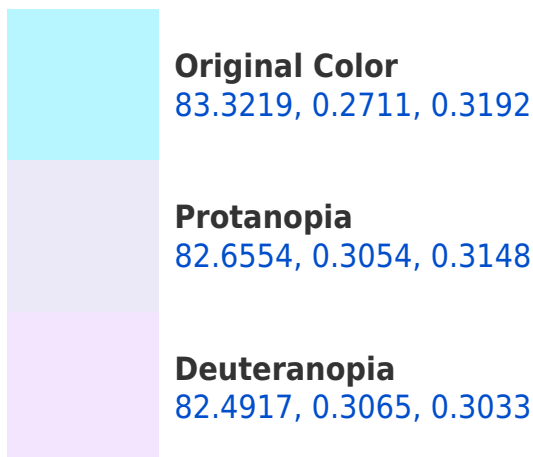


This preview shows how white text looks on a background with the Yxy color 83.3219, 0.2711, 0.3192.

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

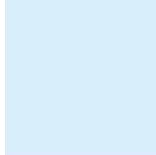
82.8271, 0.2812, 0.3142

Trichromacy



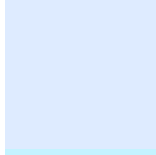
Original Color

83.3219, 0.2711, 0.3192



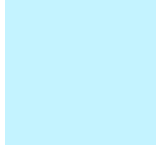
Protanomaly

82.6501, 0.2916, 0.3164



Deuteranomaly

82.1663, 0.2923, 0.3084



Tritanomaly

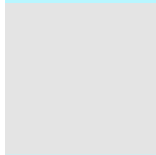
83.0569, 0.2773, 0.3161

Monochromacy



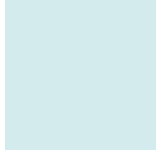
Original Color

83.3219, 0.2711, 0.3192



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5868, 0.2959, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3219, 0.2711, 0.3192 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 246, 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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.3219, 0.2711, 0.3192 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, 246, 255) }
```

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

```
.border{ border-color:rgb(184, 246, 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, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3219, 0.2711, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 246, 255) }
```

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

```
.background{ background-color: rgb(184,  
246, 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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