

Converting Colors

$Yxy(85.5477, 0.2688, 0.3242)$

Have a look what the booklet for
Yxy(85.5477, 0.2688, 0.3242)
contains.

Yxy(85.7981, 0.2691, 0.3246)	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(85.7981, 0.2691, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	B3FBFF
RGB	179, 251, 255
RGB Percent	70%, 98%, 100%
CMY	0.2981, 0.0156, 0.0001
CMYK	0.30, 0.02, 0.00, 0.00
HSL	183°, 100%, 85%
HSV	183°, 30%, 100%
XYZ	71.1284, 85.7981, 107.3930
YIQ	229.9280, -44.1960, -14.0200

Conversions

Conversions Part 2

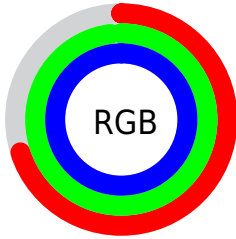
Format	Color
RYB	179, 216, 255
Decimal	11795455
CIELab	94.23, -21.17, -9.04
CIELCh	94, 23.014, 203.125
Yxy	85.7981, 0.2691, 0.3246
Android (android.graphics.Color)	4289985535 (0xFFB3FBFF)
YUV	229.9280, 12.3605, -44.6639
Hunter-Lab	92.6273, -25.0278, -3.9024

Details

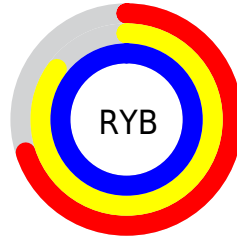
The Yxy color **85.7981, 0.2691, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.3460, 0.3787, 0.3333**, and the grayscale version is **79.0028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **46.8717, 0.2597, 0.3232** is the 20% darker color. If you saturate the color by 10%, you get **82.2132, 0.2567, 0.3229**, and if you desaturate by 10%, it is **89.9573, 0.2828, 0.3262**.

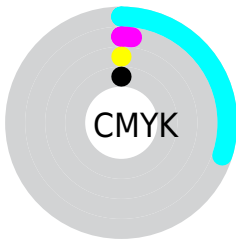
Distribution



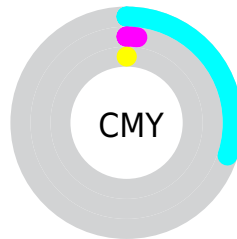
- Red (70%)
- Green (98%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.7981, 0.2691, 0.3246 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 85.7981, 0.2691, 0.3246 by changing the saturation by 10% instead.

 85.7981, 0.2691,
0.3246

 85.7981, 0.2691,
0.3246

514.2652, 0.2884,
0.3269

 64.5010, 0.2649,
0.3240


 141.4877, 0.2756,
0.3255

 47.0566, 0.2598,
0.3233


176.6490, 0.2782,
0.3258

 33.0804, 0.2534,
0.3223


217.2006, 0.2805,
0.3260

 22.1880, 0.2454,
0.3209

263.5267, 0.2825,
0.3263

 13.9951, 0.2349,
0.3190

316.0119, 0.2842,
0.3265

 8.1173, 0.2206,
0.3160

375.0404, 0.2858,

 4.1701, 0.2000,

0.3266

0.3110

440.9967, 0.2872,
0.3268

■ 1.7692, 0.1683,
0.3014

■ 0.4678, 0.0000,
0.2888

■ 85.7981, 0.2691,
0.3246

■ 85.7981, 0.2691,
0.3246

■ 82.2132, 0.2567,
0.3229

■ 89.9573, 0.2828,
0.3262

■ 79.1614, 0.2460,
0.3212

■ 94.7091, 0.2975,
0.3277

■ 76.6119, 0.2370,
0.3194

99.9955, 0.3127,
0.3290

■ 74.5269, 0.2300,
0.3176

99.9981, 0.3127,
0.3290

■ 72.8629, 0.2250,
0.3159

■ 71.5682, 0.2218,
0.3141

■ 70.5601, 0.2201,
0.3124

■ 70.5416, 0.2201,
0.3124

Harmonies

Analogous

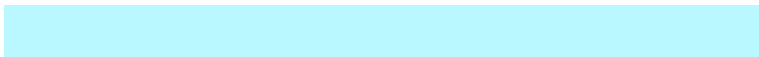
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7981, 0.2865, 0.3494



85.7981, 0.2691, 0.3246



85.7981, 0.2631, 0.3024

Triad

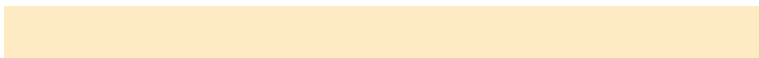
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7981, 0.2691, 0.3246



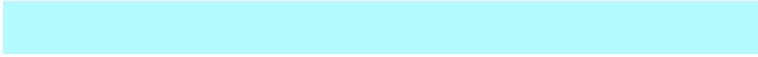
85.7981, 0.3125, 0.2933



85.7981, 0.3571, 0.3692

Complementary

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



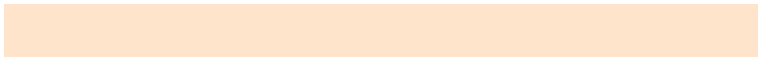
85.7981, 0.2691, 0.3246



58.3460, 0.3787, 0.3333

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.



85.7981, 0.3650, 0.3524



85.7981, 0.2691, 0.3246



85.7981, 0.3387, 0.3095

Square

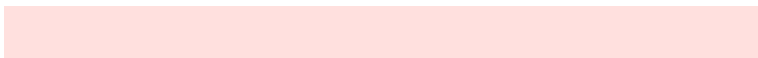
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7981, 0.2691, 0.3246



85.7981, 0.2873, 0.2857



85.7981, 0.3582, 0.3307



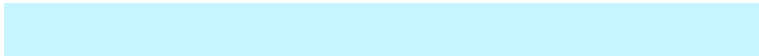
85.7981, 0.3371, 0.3758

Rectangle

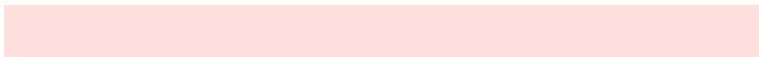
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.7981, 0.2691, 0.3246



85.7981, 0.2661, 0.2921



85.7981, 0.3582, 0.3307



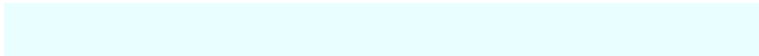
85.7981, 0.3613, 0.3645

Sweetspot

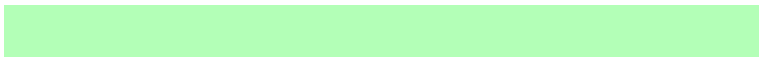
The Sweet Spot groups the original color and five complimentary colors.



85.8015, 0.2691, 0.3246



95.1442, 0.2988, 0.3278



84.4910, 0.3066, 0.4121



20.2070, 0.2966, 0.3276



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

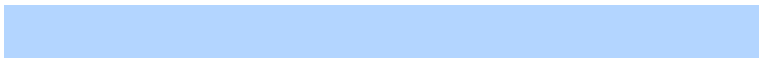
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8015, 0.2691, 0.3246



83.5362, 0.2613, 0.3236



64.4736, 0.2643, 0.2818



20.3098, 0.2980, 0.3277



36.9397, 0.2202, 0.3127



3.6444, 0.2207, 0.3146

Inverse Universe

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



60.4497, 0.3192, 0.2581



54.4415, 0.3207, 0.2436



76.1003, 0.3673, 0.3719



18.2831, 0.3146, 0.3068



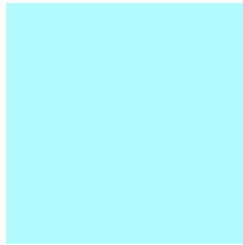
14.4571, 0.3344, 0.1616



1.4124, 0.3327, 0.1607

Previews

White Background



This preview shows how the Yxy color 85.7981, 0.2691, 0.3246 looks on a white background.

Color Contrast Check

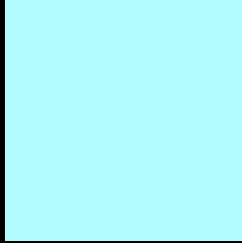
Large Text (above 18pt) WCAG AA × Fail

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 85.7981, 0.2691, 0.3246 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 85.7981, 0.2691, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 85.7981, 0.2691, 0.3246.

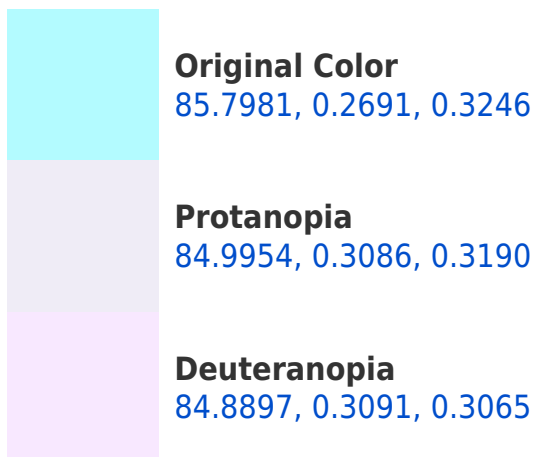


This preview shows how white text looks on a background with the Yxy color 85.7981, 0.2691, 0.3246.

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

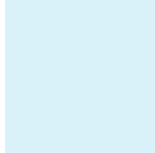
85.6230, 0.2854, 0.3175

Trichromacy



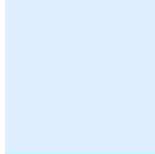
Original Color

85.7981, 0.2691, 0.3246



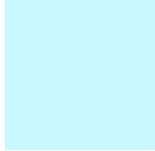
Protanomaly

84.5019, 0.2928, 0.3206



Deuteranomaly

84.6410, 0.2931, 0.3126



Tritanomaly

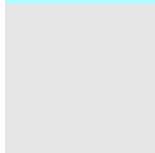
85.8836, 0.2794, 0.3205

Monochromacy



Original Color

85.7981, 0.2691, 0.3246



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.2300, 0.2947, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7981, 0.2691, 0.3246 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, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 251, 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, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.7981, 0.2691, 0.3246 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, 251, 255) }
```

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

```
.border{ border-color:rgb(179, 251, 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, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7981, 0.2691, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 251, 255) }
```

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

```
.background{ background-color: rgb(179,  
251, 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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