

Converting Colors

$Yxy(86.7005, 0.2617, 0.3026)$

Have a look what the booklet for
Yxy(86.7005, 0.2617, 0.3026)
contains.

Yxy(85.6585, 0.2710, 0.3235)	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(85.6585, 0.2710, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	B7FAFF
RGB	183, 250, 255
RGB Percent	72%, 98%, 100%
CMY	0.2825, 0.0196, 0.0000
CMYK	0.28, 0.02, 0.00, 0.00
HSL	184°, 100%, 86%
HSV	184°, 28%, 100%
XYZ	71.7572, 85.6585, 107.3710
YIQ	230.5370, -41.5370, -12.6490

Conversions

Conversions Part 2

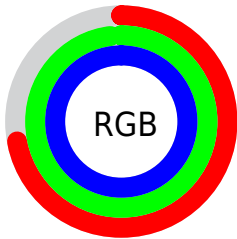
Format	Color
R _Y B	183, 218, 255
Decimal	12057343
CIE Lab	94.17, -19.57, -9.13
CIE LCh	94, 21.597, 205.002
Yxy	85.6585, 0.2710, 0.3235
Android (android.graphics.Color)	4290247423 (0xFFB7FAFF)
YUV	230.5370, 12.0603, -41.6899
Hunter-Lab	92.5519, -23.5714, -3.9970

Details

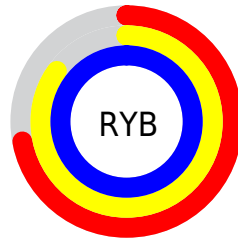
The Yxy color **85.6585, 0.2710, 0.3235** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6185, 0.3738, 0.3344**, and the grayscale version is **79.4758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **46.8063, 0.2624, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **81.7212, 0.2583, 0.3213**, and if you desaturate by 10%, it is **90.1774, 0.2850, 0.3256**.

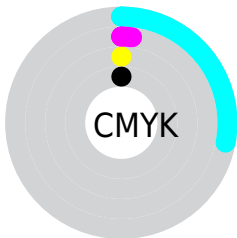
Distribution



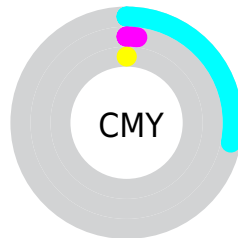
- Red (72%)
- Green (98%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6585, 0.2710, 0.3235 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 85.6585, 0.2710, 0.3235 by changing the saturation by 10% instead.


 85.6585, 0.2710,
0.3235

 85.6585, 0.2710,
0.3235

513.8045, 0.2895,
0.3263

 64.3856, 0.2670,
0.3228


 141.2928, 0.2773,
0.3245

 46.9631, 0.2621,
0.3219


176.4231, 0.2797,
0.3249

 33.0065, 0.2560,
0.3208


216.9412, 0.2819,
0.3252

 22.1314, 0.2483,
0.3193

263.2317, 0.2838,
0.3255

 13.9535, 0.2382,
0.3171

315.6789, 0.2855,
0.3257

 8.0883, 0.2244,
0.3138

374.6671, 0.2870,

 4.1515, 0.2046,

0.3259

0.3085

440.5809, 0.2883,
0.3261

1.7587, 0.1738,
0.2984

0.4612, 0.0000,
0.2860

85.6585, 0.2710,
0.3235

85.6585, 0.2710,
0.3235

81.7212, 0.2583,
0.3213

90.1774, 0.2850,
0.3256

78.3274, 0.2471,
0.3190

95.2988, 0.2999,
0.3275

75.4461, 0.2376,
0.3167

100.0000, 0.3127,
0.3290

73.0400, 0.2301,
0.3143

■ 71.0666, 0.2245,
0.3119

■ 69.4758, 0.2209,
0.3095

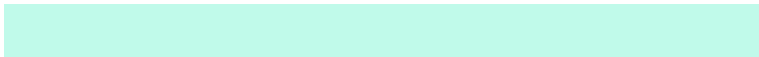
■ 68.1982, 0.2188,
0.3072

■ 67.9904, 0.2186,
0.3068

Harmonies

Analogous

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



85.6585, 0.2868, 0.3468



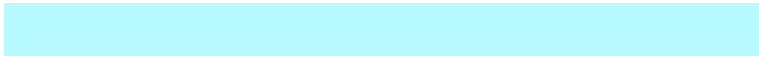
85.6585, 0.2710, 0.3235



85.6585, 0.2660, 0.3030

Triad

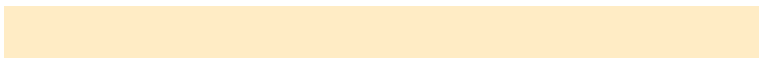
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6585, 0.2710, 0.3235



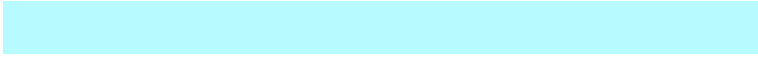
85.6585, 0.3141, 0.2961



85.6585, 0.3535, 0.3675

Complementary

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



85.6585, 0.2710, 0.3235



60.6185, 0.3738, 0.3344

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.



85.6585, 0.3617, 0.3523



85.6585, 0.2710, 0.3235



85.6585, 0.3385, 0.3118

Square

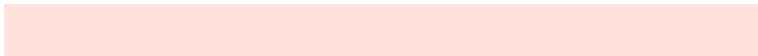
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6585, 0.2710, 0.3235



85.6585, 0.2902, 0.2884



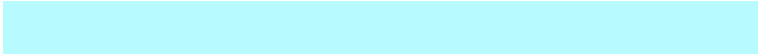
85.6585, 0.3562, 0.3320



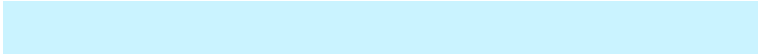
85.6585, 0.3343, 0.3728

Rectangle

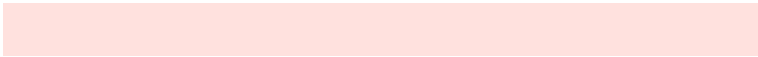
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6585, 0.2710, 0.3235



85.6585, 0.2693, 0.2936



85.6585, 0.3562, 0.3320



85.6585, 0.3577, 0.3633

Sweetspot

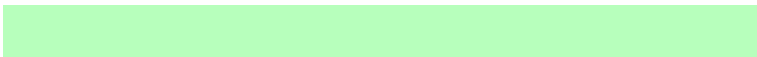
The Sweet Spot groups the original color and five complimentary colors.



85.6610, 0.2710, 0.3235



95.4365, 0.3003, 0.3276



85.2021, 0.3063, 0.4057



20.2534, 0.2980, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

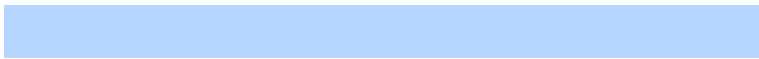
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6610, 0.2710, 0.3235



83.3282, 0.2635, 0.3223



65.4631, 0.2668, 0.2832



20.2534, 0.2980, 0.3273



35.6179, 0.2187, 0.3072



3.5300, 0.2194, 0.3099

Inverse Universe

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



62.0112, 0.3197, 0.2629



56.2156, 0.3214, 0.2495



77.8703, 0.3637, 0.3708



18.2774, 0.3149, 0.3072



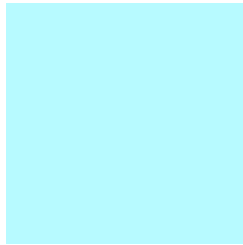
14.3236, 0.3391, 0.1642



1.4009, 0.3368, 0.1629

Previews

White Background



This preview shows how the Yxy color 85.6585, 0.2710, 0.3235 looks on a white background.

Color Contrast Check

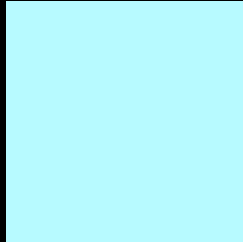
Large Text (above 18pt) WCAG AA × Fail

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 85.6585, 0.2710, 0.3235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

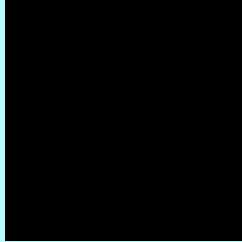
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6585, 0.2710, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 85.6585, 0.2710, 0.3235.

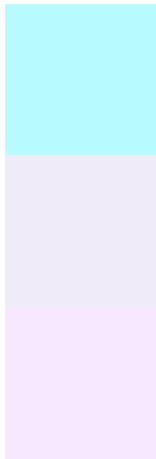


This preview shows how white text looks on a background with the Yxy color 85.6585, 0.2710, 0.3235.

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

85.6585, 0.2710, 0.3235

Protanopia

85.0570, 0.3080, 0.3180

Deuteranopia

84.8897, 0.3091, 0.3065



Tritanopia

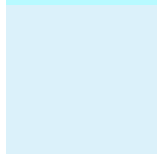
85.0228, 0.2854, 0.3164

Trichromacy



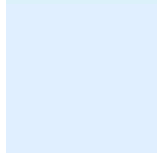
Original Color

85.6585, 0.2710, 0.3235



Protanomaly

84.8728, 0.2935, 0.3197



Deuteranomaly

84.8003, 0.2937, 0.3126



Tritanomaly

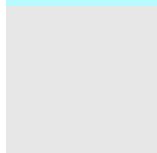
85.4109, 0.2798, 0.3194

Monochromacy



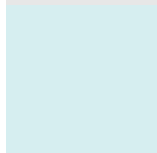
Original Color

85.6585, 0.2710, 0.3235



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.7365, 0.2960, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6585, 0.2710, 0.3235 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(183, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 250, 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(183, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.6585, 0.2710, 0.3235 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(183, 250, 255) }
```

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

```
.border{ border-color:rgb(183, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6585, 0.2710, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 250, 255) }
```

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

```
.background{ background-color: rgb(183,  
250, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor