

Converting Colors

$Yxy(82.6971, 0.2708, 0.3289)$

Have a look what the booklet for
Yxy(82.6971, 0.2708, 0.3289)
contains.

Yxy(82.4670, 0.2710, 0.3289)	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(82.4670, 0.2710, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	B0F7F7
RGB	176, 247, 247
RGB Percent	69%, 97%, 97%
CMY	0.3098, 0.0313, 0.0314
CMYK	0.29, 0.00, 0.00, 0.03
HSL	180°, 82%, 83%
HSV	180°, 29%, 97%
XYZ	67.9494, 82.4670, 100.3194
YIQ	225.7710, -42.3160, -15.0520

Conversions

Conversions Part 2

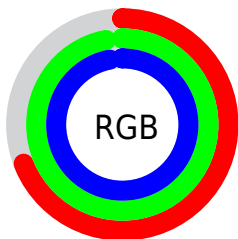
Format	Color
R _Y B	176, 212, 247
Decimal	11597815
CIE Lab	92.78, -21.80, -7.06
CIE LCh	93, 22.916, 197.944
Yxy	82.4670, 0.2710, 0.3289
Android (android.graphics.Color)	4289787895 (0xFFB0F7F7)
YUV	225.7710, 10.4659, -43.6492
Hunter-Lab	90.8113, -25.3576, -1.9298

Details

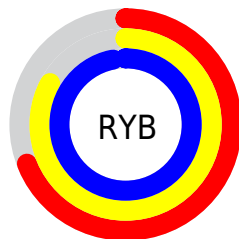
The Yxy color **82.4670, 0.2710, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.9572, 0.3765, 0.3292**, and the grayscale version is **75.8248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **44.6534, 0.2618, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **79.8479, 0.2589, 0.3289**, and if you desaturate by 10%, it is **85.6165, 0.2845, 0.3289**.

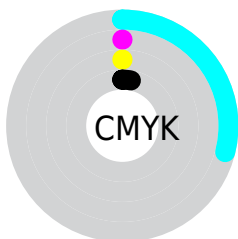
Distribution



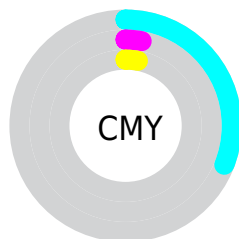
- Red (69%)
- Green (97%)
- Blue (97%)



- Red (69%)
- Yellow (83%)
- Blue (97%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (31%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4670, 0.2710, 0.3289 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 82.4670, 0.2710, 0.3289 by changing the saturation by 10% instead.


 82.4670, 0.2710,
0.3289

 82.4670, 0.2710,
0.3289


503.2084, 0.2897,
0.3292

 61.7505, 0.2669,
0.3288


 136.8287, 0.2773,
0.3291

 44.8312, 0.2619,
0.3286


171.2427, 0.2799,
0.3291

 31.3245, 0.2557,
0.3282


210.9914, 0.2820,
0.3292

 20.8460, 0.2477,
0.3278

256.4592, 0.2839,
0.3292

 13.0115, 0.2373,
0.3270

308.0303, 0.2856,
0.3292

 7.4365, 0.2229,
0.3256

366.0893, 0.2871,

 3.7365, 0.2018,

0.3292

431.0206, 0.2884,
0.3292

0.3230

1.5273, 0.1686,
0.3170

0.3078, 0.0000,
0.2708

82.4670, 0.2710,
0.3289

82.4670, 0.2710,
0.3289

79.8479, 0.2589,
0.3289

85.6165, 0.2845,
0.3289

77.7209, 0.2485,
0.3289


89.3129, 0.2992,
0.3290

76.0582, 0.2400,
0.3288


93.5839, 0.3147,
0.3290

74.8250, 0.2334,
0.3288

94.5035, 0.3178,
0.3290

 73.9820, 0.2288,
0.3288

 94.5040, 0.3178,
0.3290

 73.4824, 0.2261,
0.3288


 94.5044, 0.3178,
0.3290

 73.2579, 0.2248,
0.3288

 94.5049, 0.3178,
0.3290

 73.2380, 0.2247,
0.3288

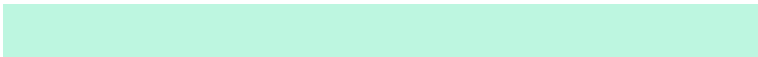
 94.5054, 0.3178,
0.3290

 94.5059, 0.3178,
0.3290

Harmonies

Analogous

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



82.4670, 0.2902, 0.3536



82.4670, 0.2710, 0.3289



82.4670, 0.2628, 0.3055

Triad

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



82.4670, 0.2710, 0.3289



82.4670, 0.3078, 0.2910



82.4670, 0.3598, 0.3672

Complementary

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



82.4670, 0.2710, 0.3289



53.9572, 0.3765, 0.3292

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.



82.4670, 0.3654, 0.3490



82.4670, 0.2710, 0.3289



82.4670, 0.3346, 0.3060

Square

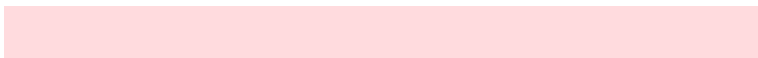
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4670, 0.2710, 0.3289



82.4670, 0.2833, 0.2850



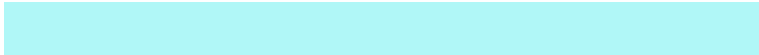
82.4670, 0.3560, 0.3268



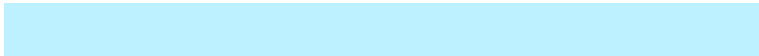
82.4670, 0.3415, 0.3760

Rectangle

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



82.4670, 0.2710, 0.3289



82.4670, 0.2643, 0.2940



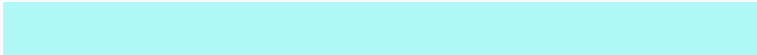
82.4670, 0.3560, 0.3268



82.4670, 0.3633, 0.3619

Sweetspot

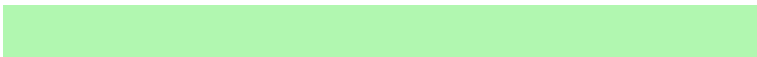
The Sweet Spot groups the original color and five complimentary colors.



82.4703, 0.2710, 0.3289



95.9037, 0.2988, 0.3290



79.0285, 0.3095, 0.4127



20.3958, 0.2966, 0.3290



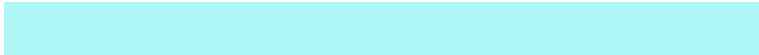
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

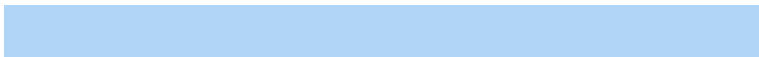
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4703, 0.2710, 0.3289



86.8181, 0.2632, 0.3289



63.3737, 0.2668, 0.2895



18.7578, 0.2981, 0.3290



38.7300, 0.2247, 0.3288



3.4040, 0.2247, 0.3288

Inverse Universe

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



53.9572, 0.3765, 0.3292



51.1867, 0.3968, 0.3292



69.1589, 0.3663, 0.3654



16.4826, 0.3294, 0.3290



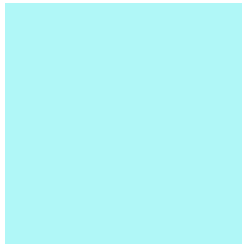
10.4580, 0.6400, 0.3300



0.9192, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 82.4670, 0.2710, 0.3289 looks on a white background.

Color Contrast Check

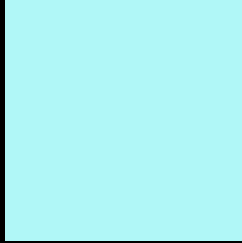
Large Text (above 18pt) WCAG AA × Fail

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 82.4670, 0.2710, 0.3289 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

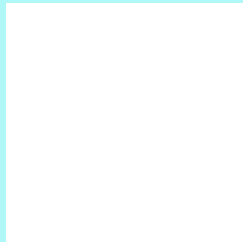
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.4670, 0.2710, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 82.4670, 0.2710, 0.3289.

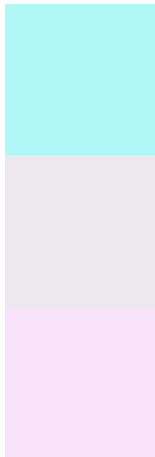


This preview shows how white text looks on a background with the Yxy color 82.4670, 0.2710, 0.3289.

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

82.4670, 0.2710, 0.3289

Protanopia

81.7191, 0.3117, 0.3229

Deuteranopia

81.8597, 0.3118, 0.3053



Tritanopia

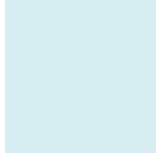
82.1364, 0.2783, 0.3140

Trichromacy



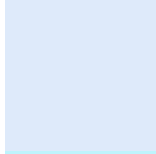
Original Color

82.4670, 0.2710, 0.3289



Protanomaly

81.2154, 0.2954, 0.3247



Deuteranomaly

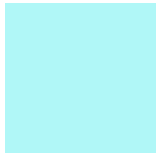
81.2774, 0.2952, 0.3124



Tritanomaly

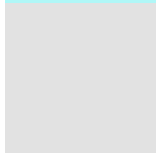
82.0766, 0.2756, 0.3192

Monochromacy



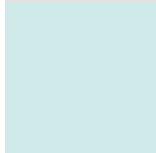
Original Color

82.4670, 0.2710, 0.3289



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.1960, 0.2957, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4670, 0.2710, 0.3289 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(176, 247, 247)` looks like.

```
.text, #text, p{  
    color:rgb(176, 247, 247)  
}
```

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(176, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 247, 247) }
```

Border

The CSS property to change the border of an element to Yxy 82.4670, 0.2710, 0.3289 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(176, 247, 247) }
```

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

```
.border{ border-color:rgb(176, 247, 247) }
```

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

Here you see how a box with a 4 pixel rgb(176, 247, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(176, 247,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4670, 0.2710, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 247, 247) }
```

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

```
.background{ background-color: rgb(176,  
247, 247) }
```

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