

Converting Colors

$Yxy(84.7653, 0.2881, 0.3520)$

Have a look what the booklet for
Yxy(84.7653, 0.2881, 0.3520)
contains.

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Color

Yxy(84.9755, 0.2882, 0.3520)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BEFAE5 |
| RGB | 190, 250, 229 |
| RGB Percent | 75%, 98%, 90% |
| CMY | 0.2547, 0.0196, 0.1020 |
| CMYK | 0.24, 0.00, 0.08, 0.02 |
| HSL | 159°, 86%, 86% |
| HSV | 159°, 24%, 98% |
| XYZ | 69.5737, 84.9755, 86.8585 |
| YIQ | 229.6660, -29.0190, -19.2510 |

Conversions

Conversions Part 2

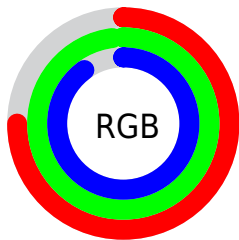
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 190, 226, 250 |
| Decimal | 12516069 |
| CIE Lab | 93.87, -22.97, 3.95 |
| CIE LCh | 94, 23.311, 170.249 |
| Yxy | 84.9755, 0.2882, 0.3520 |
| Android (android.graphics.Color) | 4290706149 (0xFFBEFAE5) |
| YUV | 229.6660, -0.3283, -34.7871 |
| Hunter-Lab | 92.1822, -26.5974, 8.6616 |

Details

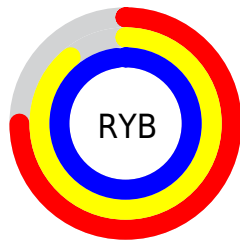
The Yxy color **84.9755, 0.2882, 0.3520** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.8821, 0.3456, 0.3072**, and the grayscale version is **78.8995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **46.3468, 0.2821, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **81.5529, 0.2791, 0.3632**, and if you desaturate by 10%, it is **88.9819, 0.2981, 0.3417**.

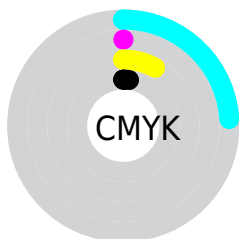
Distribution



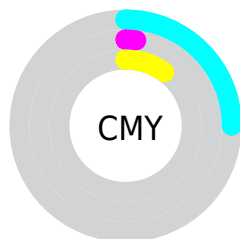
- Red (75%)
- Green (98%)
- Blue (90%)



- Red (75%)
- Yellow (89%)
- Blue (98%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (25%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9755, 0.2882, 0.3520 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 84.9755, 0.2882, 0.3520 by changing the saturation by 10% instead.

 84.9755, 0.2882,
0.3520

 84.9755, 0.2882,
0.3520

511.5470, 0.2993,
0.3415

 63.8211, 0.2857,
0.3544


 140.3389, 0.2920,
0.3484

 46.5058, 0.2827,
0.3573


175.3168, 0.2935,
0.3470

 32.6452, 0.2789,
0.3610


215.6713, 0.2948,
0.3457

 21.8548, 0.2740,
0.3657

261.7868, 0.2959,
0.3447

 13.7502, 0.2674,
0.3721

314.0478, 0.2969,
0.3437

 7.9471, 0.2582,
0.3813

372.8385, 0.2978,

 4.0611, 0.2443,

0.3429

0.3953

438.5435, 0.2986,
0.3422

1.7078, 0.2211,
0.4194

0.4287, 0.0000,
0.6921

84.9755, 0.2882,
0.3520

84.9755, 0.2882,
0.3520

81.5529, 0.2791,
0.3632

88.9819, 0.2981,
0.3417

78.6751, 0.2711,
0.3753

93.5882, 0.3085,
0.3324

76.3146, 0.2645,
0.3881

96.8472, 0.3129,
0.3242

74.4372, 0.2596,
0.4014

■ 73.0044, 0.2567,
0.4151

■ 71.9717, 0.2558,
0.4288

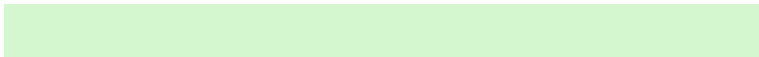
■ 71.2846, 0.2570,
0.4423

■ 70.9902, 0.2584,
0.4503

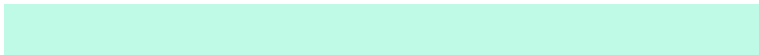
Harmonies

Analogous

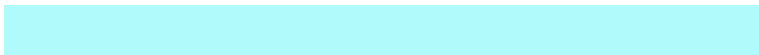
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9755, 0.3138, 0.3706



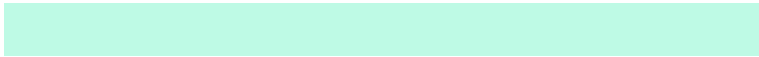
84.9755, 0.2882, 0.3520



84.9755, 0.2696, 0.3269

Triad

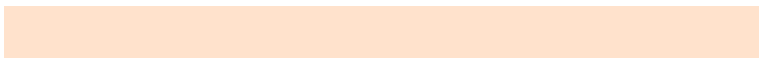
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9755, 0.2882, 0.3520



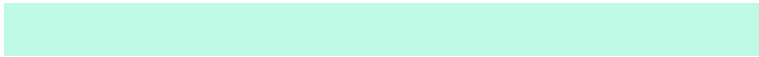
84.9755, 0.2848, 0.2848



84.9755, 0.3658, 0.3507

Complementary

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



84.9755, 0.2882, 0.3520



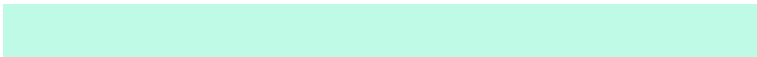
61.8821, 0.3456, 0.3072

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.



84.9755, 0.3575, 0.3285



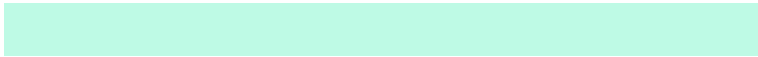
84.9755, 0.2882, 0.3520



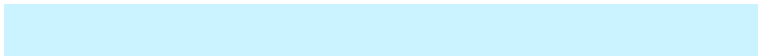
84.9755, 0.3098, 0.2916

Square

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



84.9755, 0.2882, 0.3520



84.9755, 0.2677, 0.2889



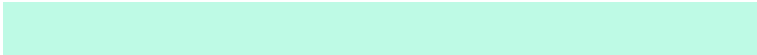
84.9755, 0.3367, 0.3073



84.9755, 0.3591, 0.3686

Rectangle

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



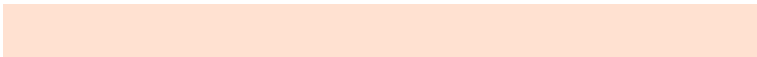
84.9755, 0.2882, 0.3520



84.9755, 0.2634, 0.3108



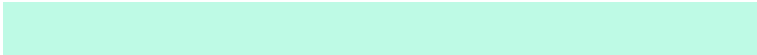
84.9755, 0.3367, 0.3073



84.9755, 0.3647, 0.3435

Sweetspot

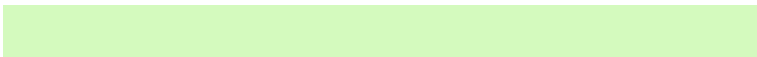
The Sweet Spot groups the original color and five complimentary colors.



84.9790, 0.2882, 0.3520



96.3741, 0.3053, 0.3351



86.0900, 0.3235, 0.3942



20.5643, 0.3047, 0.3357



0.0000, 0.0000, 0.0000



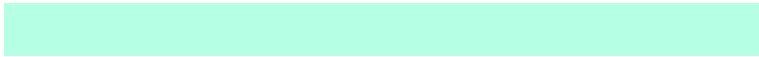
21.4041, 0.3127, 0.3290

Same Dimension

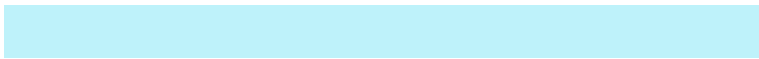
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9790, 0.2882, 0.3520



87.0120, 0.2835, 0.3576



81.3624, 0.2765, 0.3203



19.4992, 0.3027, 0.3374



37.6859, 0.2578, 0.4481



3.5104, 0.2534, 0.4321

Inverse Universe

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



61.8821, 0.3456, 0.3072



58.8311, 0.3548, 0.3023



64.4550, 0.3610, 0.3376



17.3256, 0.3239, 0.3207



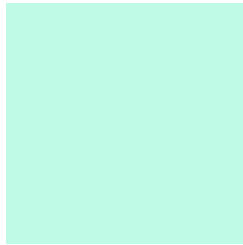
11.1752, 0.5579, 0.2847



1.0543, 0.5249, 0.2665

Previews

White Background



This preview shows how the Yxy color 84.9755, 0.2882, 0.3520 looks on a white background.

Color Contrast Check

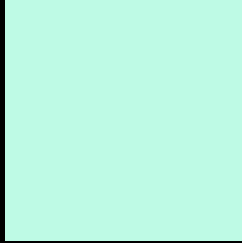
Large Text (above 18pt) WCAG AA × Fail

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 84.9755, 0.2882, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

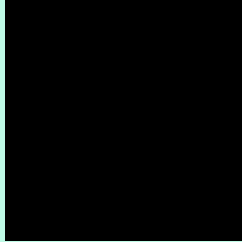
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

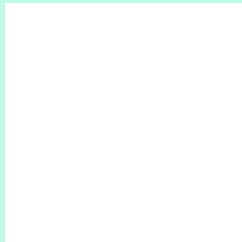
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9755, 0.2882, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 84.9755, 0.2882, 0.3520.

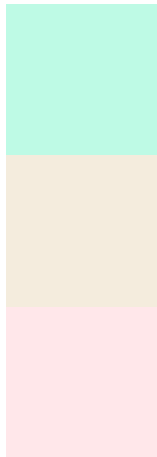


This preview shows how white text looks on a background with the Yxy color 84.9755, 0.2882, 0.3520.

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

84.9755, 0.2882, 0.3520

Protanopia

84.4445, 0.3276, 0.3443

Deuteranopia

84.3523, 0.3273, 0.3261



Tritanopia

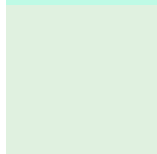
84.7213, 0.2865, 0.3154

Trichromacy



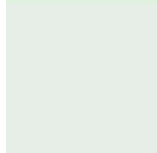
Original Color

84.9755, 0.2882, 0.3520



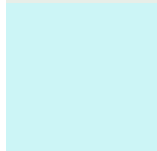
Protanomaly

84.1397, 0.3119, 0.3469



Deuteranomaly

83.9642, 0.3118, 0.3352



Tritanomaly

84.7960, 0.2869, 0.3279

Monochromacy



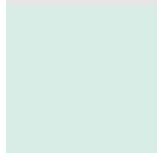
Original Color

84.9755, 0.2882, 0.3520



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.7286, 0.3025, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9755, 0.2882, 0.3520 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(190, 250, 229)` looks like.

```
.text, #text, p{  
    color:rgb(190, 250, 229)  
}
```

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(190, 250, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 250, 229) }
```

Border

The CSS property to change the border of an element to Yxy 84.9755, 0.2882, 0.3520 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(190, 250, 229) }
```

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

```
.border{ border-color:rgb(190, 250, 229) }
```

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

Here you see how a box with a 4 pixel rgb(190, 250, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 250, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 250, 229);  
box-shadow:4px 4px 4px 4px rgb(190, 250,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9755, 0.2882, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 250, 229) }
```

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

```
.background{ background-color: rgb(190,  
250, 229) }
```

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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