

Converting Colors

$Y_{xy}(84.3073, 0.2854, 0.3552)$

Have a look what the booklet for
Yxy(84.3073, 0.2854, 0.3552)
contains.

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Color

Yxy(84.6077, 0.2853, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	B7FBE3
RGB	183, 251, 227
RGB Percent	72%, 98%, 89%
CMY	0.2826, 0.0156, 0.1097
CMYK	0.27, 0.00, 0.10, 0.02
HSL	159°, 90%, 85%
HSV	159°, 27%, 98%
XYZ	67.8813, 84.6077, 85.4405
YIQ	227.9320, -32.8240, -21.8800

Conversions

Conversions Part 2

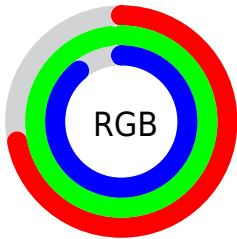
Format	Color
RYB	183, 224, 251
Decimal	12057571
CIELab	93.71, -25.97, 4.69
CIELCh	94, 26.393, 169.766
Yxy	84.6077, 0.2853, 0.3556
Android (android.graphics.Color)	4290247651 (0xFFB7FBE3)
YUV	227.9320, -0.4595, -39.4054
Hunter-Lab	91.9824, -29.2397, 9.3145

Details

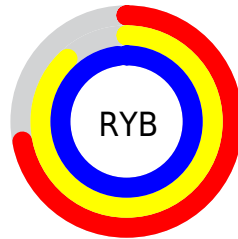
The Yxy color **84.6077, 0.2853, 0.3556** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8546, 0.3511, 0.3040**, and the grayscale version is **77.5459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **46.1513, 0.2788, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **81.3279, 0.2765, 0.3672**, and if you desaturate by 10%, it is **88.4684, 0.2950, 0.3450**.

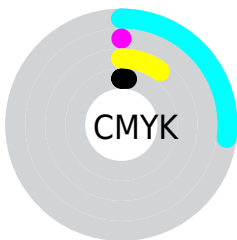
Distribution



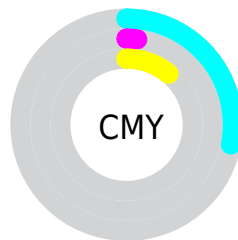
- Red (72%)
- Green (98%)
- Blue (89%)



- Red (72%)
- Yellow (88%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)




- Cyan (28%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6077, 0.2853, 0.3556 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 84.6077, 0.2853, 0.3556 by changing the saturation by 10% instead.

 84.6077, 0.2853,
0.3556

 84.6077, 0.2853,
0.3556

510.3291, 0.2977,
0.3434

 63.5173, 0.2825,
0.3584


 139.8249, 0.2896,
0.3514

 46.2598, 0.2791,
0.3618


174.7206, 0.2912,
0.3497

 32.4509, 0.2748,
0.3660


214.9867, 0.2927,
0.3483

 21.7061, 0.2693,
0.3716

261.0078, 0.2940,
0.3471

 13.6411, 0.2619,
0.3791

313.1681, 0.2951,
0.3460

 7.8715, 0.2515,
0.3899

371.8522, 0.2961,

 4.0128, 0.2358,

0.3450

437.4444, 0.2969,
0.3442

0.4065

1.6807, 0.2095,
0.4352

0.4111, 0.0000,
0.7744

84.6077, 0.2853,
0.3556

84.6077, 0.2853,
0.3556

81.3279, 0.2765,
0.3672

88.4684, 0.2950,
0.3450

78.5890, 0.2689,
0.3796

92.9268, 0.3052,
0.3353

76.3622, 0.2629,
0.3927

97.3922, 0.3137,
0.3266

74.6117, 0.2586,
0.4062

97.4845, 0.3129,
0.3252

■ 73.2970, 0.2564,
0.4200

■ 72.3704, 0.2562,
0.4338

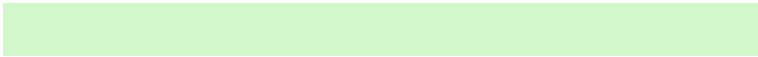
■ 71.7711, 0.2579,
0.4472

■ 71.6326, 0.2586,
0.4511

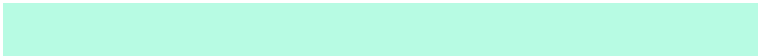
Harmonies

Analogous

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



84.6077, 0.3142, 0.3768



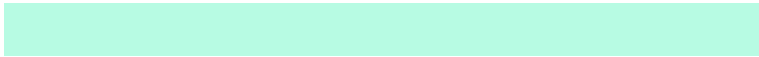
84.6077, 0.2853, 0.3556



84.6077, 0.2643, 0.3269

Triad

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



84.6077, 0.2853, 0.3556



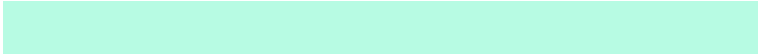
84.6077, 0.2807, 0.2792



84.6077, 0.3730, 0.3529

Complementary

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



84.6077, 0.2853, 0.3556



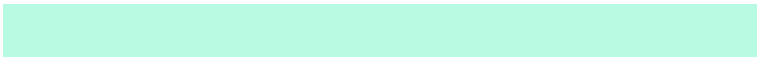
58.8546, 0.3511, 0.3040

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.



84.6077, 0.3633, 0.3279



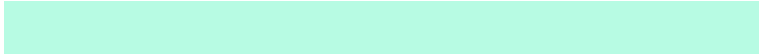
84.6077, 0.2853, 0.3556



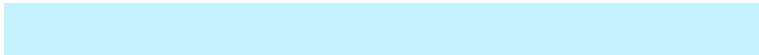
84.6077, 0.3089, 0.2867

Square

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



84.6077, 0.2853, 0.3556



84.6077, 0.2618, 0.2838



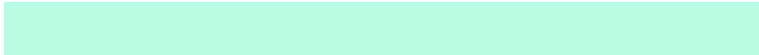
84.6077, 0.3394, 0.3042



84.6077, 0.3656, 0.3734

Rectangle

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



84.6077, 0.2853, 0.3556



84.6077, 0.2572, 0.3086



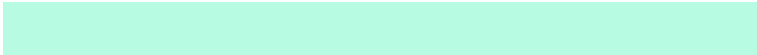
84.6077, 0.3394, 0.3042



84.6077, 0.3717, 0.3447

Sweetspot

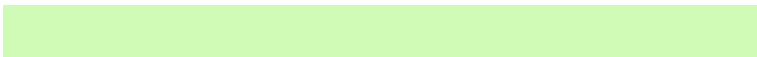
The Sweet Spot groups the original color and five complimentary colors.



84.6112, 0.2853, 0.3556



95.8797, 0.3043, 0.3361



85.8160, 0.3248, 0.4038



20.3664, 0.3027, 0.3375



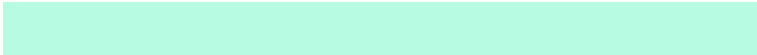
0.0000, 0.0000, 0.0000



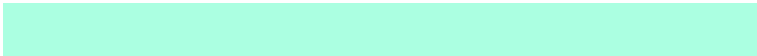
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6112, 0.2853, 0.3556



85.6160, 0.2800, 0.3623



80.4934, 0.2721, 0.3190



19.4986, 0.3027, 0.3375



37.6762, 0.2580, 0.4488



3.5096, 0.2536, 0.4328

Inverse Universe

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



58.8546, 0.3511, 0.3040



54.5231, 0.3625, 0.2983



61.6338, 0.3693, 0.3388



17.3263, 0.3238, 0.3207



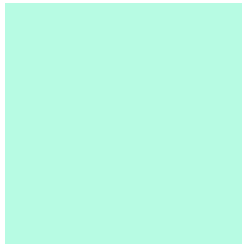
11.1798, 0.5571, 0.2843



1.0547, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 84.6077, 0.2853, 0.3556 looks on a white background.

Color Contrast Check

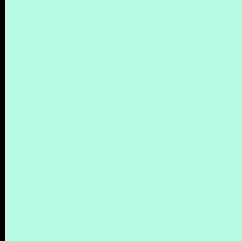
Large Text (above 18pt) WCAG AA × Fail

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 84.6077, 0.2853, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

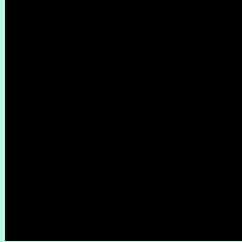
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

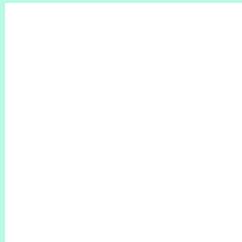
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6077, 0.2853, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 84.6077, 0.2853, 0.3556.

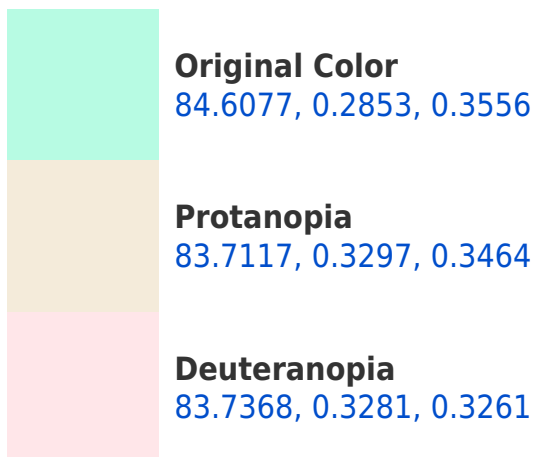


This preview shows how white text looks on a background with the Yxy color 84.6077, 0.2853, 0.3556.

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

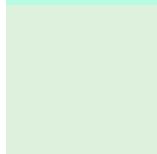
84.2796, 0.2847, 0.3154

Trichromacy



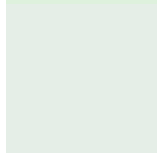
Original Color

84.6077, 0.2853, 0.3556



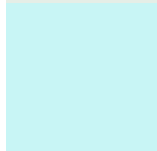
Protanomaly

83.6606, 0.3124, 0.3502



Deuteranomaly

83.5766, 0.3111, 0.3363



Tritanomaly

84.1767, 0.2851, 0.3289

Monochromacy



Original Color

84.6077, 0.2853, 0.3556



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.5894, 0.3018, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6077, 0.2853, 0.3556 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, 251, 227)` looks like.

```
.text, #text, p{  
    color:rgb(183, 251, 227)  
}
```

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, 251, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 251, 227) }
```

Border

The CSS property to change the border of an element to Yxy 84.6077, 0.2853, 0.3556 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, 251, 227) }
```

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

```
.border{ border-color:rgb(183, 251, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 251, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 251, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 251, 227);  
box-shadow:4px 4px 4px 4px rgb(183, 251,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6077, 0.2853, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 251, 227) }
```

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

```
.background{ background-color: rgb(183,  
251, 227) }
```

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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