

Converting Colors

$Y_{xy}(100.0000, 0.2892, 0.3820)$

Have a look what the booklet for
Yxy(100.0000, 0.2892, 0.3820)
contains.

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Color

Yxy(87.2161, 0.2883, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	B9FFE0
RGB	185, 255, 224
RGB Percent	73%, 100%, 88%
CMY	0.2743, 0.0000, 0.1217
CMYK	0.27, 0.00, 0.12, 0.00
HSL	153°, 100%, 86%
HSV	153°, 27%, 100%
XYZ	69.2302, 87.2161, 83.6862
YIQ	230.5360, -31.7690, -24.4810

Conversions

Conversions Part 2

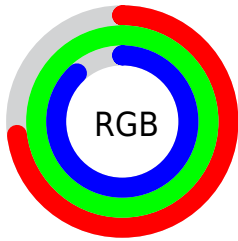
Format	Color
RYB	185, 230, 255
Decimal	12189664
CIELab	94.83, -27.84, 7.89
CIELCh	95, 28.938, 164.188
Yxy	87.2161, 0.2883, 0.3632
Android (android.graphics.Color)	4290379744 (0xFFB9FFE0)
YUV	230.5360, -3.2222, -39.9351
Hunter-Lab	93.3896, -31.1087, 12.2431

Details

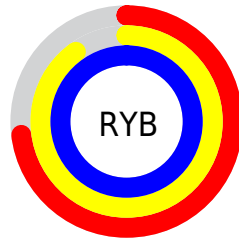
The Yxy color **87.2161, 0.2883, 0.3632** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.9464, 0.3464, 0.2973**, and the grayscale version is **79.6004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **47.9986, 0.2825, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **83.7328, 0.2805, 0.3781**, and if you desaturate by 10%, it is **91.3163, 0.2968, 0.3496**.

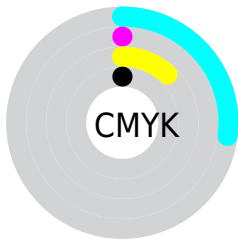
Distribution



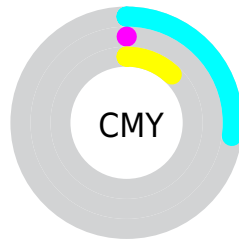
- Red (73%)
- Green (100%)
- Blue (88%)



- Red (73%)
- Yellow (90%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2161, 0.2883, 0.3632 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 87.2161, 0.2883, 0.3632 by changing the saturation by 10% instead.

 87.2161, 0.2883,
0.3632

 87.2161, 0.2883,
0.3632


518.9327, 0.2994,
0.3475

 65.6741, 0.2858,
0.3668

 143.4653, 0.2921,
0.3578

 48.0079, 0.2827,
0.3712


178.9413, 0.2936,
0.3557

 33.8331, 0.2789,
0.3767


219.8306, 0.2949,
0.3538

 22.7654, 0.2739,
0.3839

266.5178, 0.2960,
0.3522

 14.4204, 0.2672,
0.3937

319.3872, 0.2970,
0.3508

 8.4136, 0.2577,
0.4077

378.8233, 0.2979,

 4.3607, 0.2434,

0.3496

0.4293

445.2103, 0.2987,
0.3485

■ 1.8773, 0.2192,
0.4668

■ 0.5347, 0.0000,
0.9453

■ 87.2161, 0.2883,
0.3632

■ 87.2161, 0.2883,
0.3632

■ 83.7328, 0.2805,
0.3781

■ 91.3163, 0.2968,
0.3496


■ 80.8242, 0.2739,
0.3940


■ 96.0513, 0.3059,
0.3373

■ 78.4601, 0.2687,
0.4109

99.9970, 0.3127,
0.3290

■ 76.6026, 0.2653,
0.4284

 75.2090, 0.2638,
0.4460

 74.2289, 0.2645,
0.4634

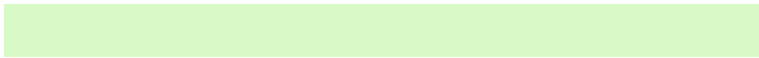
 73.5972, 0.2671,
0.4801

 73.4663, 0.2679,
0.4844

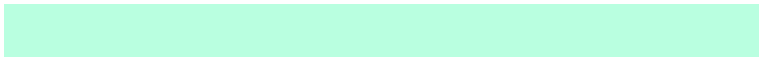
Harmonies

Analogous

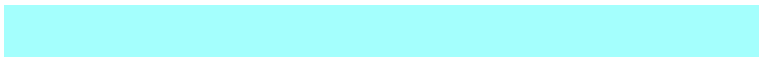
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2161, 0.3204, 0.3837



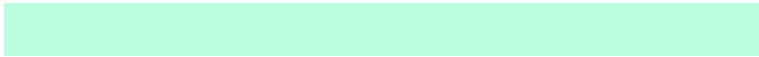
87.2161, 0.2883, 0.3632



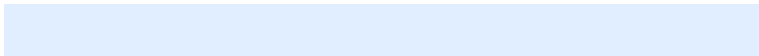
87.2161, 0.2636, 0.3325

Triad

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



87.2161, 0.2883, 0.3632



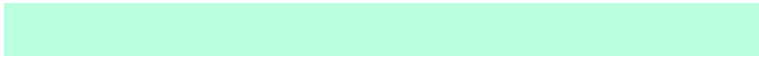
87.2161, 0.2732, 0.2750



87.2161, 0.3777, 0.3498

Complementary

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



87.2161, 0.2883, 0.3632



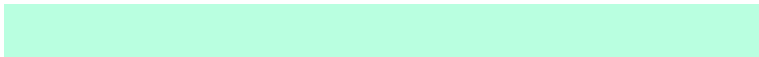
60.9464, 0.3464, 0.2973

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.



87.2161, 0.3639, 0.3226



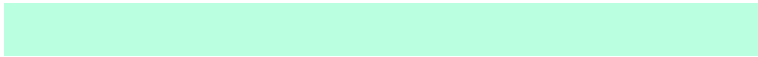
87.2161, 0.2883, 0.3632



87.2161, 0.3023, 0.2809

Square

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



87.2161, 0.2883, 0.3632



87.2161, 0.2553, 0.2824



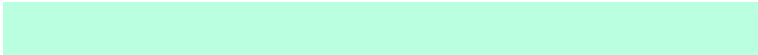
87.2161, 0.3357, 0.2980



87.2161, 0.3729, 0.3735

Rectangle

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



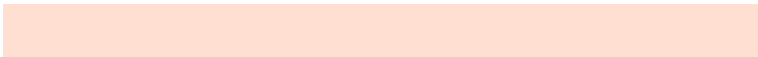
87.2161, 0.2883, 0.3632



87.2161, 0.2541, 0.3119



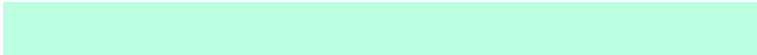
87.2161, 0.3357, 0.2980



87.2161, 0.3751, 0.3408

Sweetspot

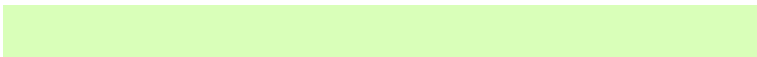
The Sweet Spot groups the original color and five complimentary colors.



87.2197, 0.2883, 0.3632



95.7649, 0.3053, 0.3380



89.7028, 0.3287, 0.4039



20.3374, 0.3040, 0.3397



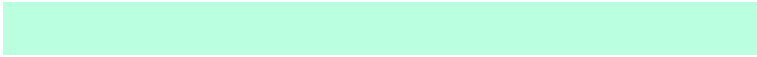
0.0000, 0.0000, 0.0000



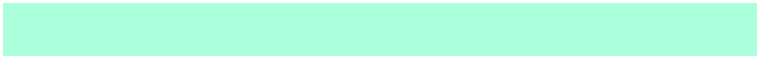
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2197, 0.2883, 0.3632



85.2058, 0.2839, 0.3713



86.8484, 0.2723, 0.3251



20.3374, 0.3040, 0.3397



38.4199, 0.2671, 0.4816



3.7628, 0.2618, 0.4626

Inverse Universe

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



60.9464, 0.3464, 0.2973



54.8921, 0.3556, 0.2906



60.9713, 0.3718, 0.3328



18.1210, 0.3224, 0.3185



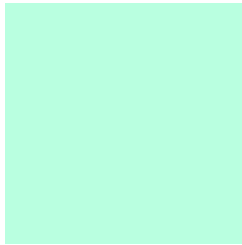
11.7622, 0.5203, 0.2640



1.1668, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 87.2161, 0.2883, 0.3632 looks on a white background.

Color Contrast Check

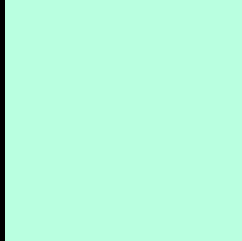
Large Text (above 18pt) WCAG AA × Fail

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 87.2161, 0.2883, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

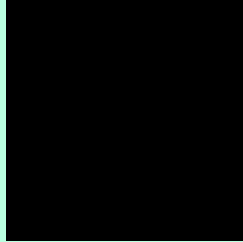
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2161, 0.2883, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 87.2161, 0.2883, 0.3632.

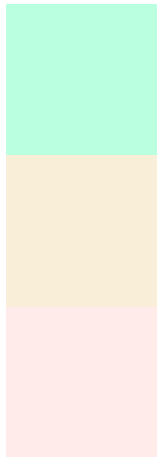


This preview shows how white text looks on a background with the Yxy color 87.2161, 0.2883, 0.3632.

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

87.2161, 0.2883, 0.3632

Protanopia

86.1951, 0.3347, 0.3522

Deuteranopia

86.5599, 0.3276, 0.3310



Tritanopia

86.6731, 0.2896, 0.3176

Trichromacy



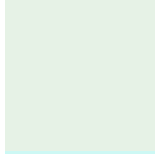
Original Color

87.2161, 0.2883, 0.3632



Protanomaly

85.9321, 0.3166, 0.3563



Deuteranomaly

86.0404, 0.3121, 0.3414



Tritanomaly

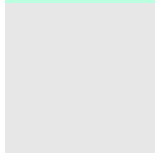
86.6456, 0.2887, 0.3332

Monochromacy



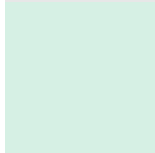
Original Color

87.2161, 0.2883, 0.3632



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2178, 0.3030, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2161, 0.2883, 0.3632 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(185, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 224)  
}
```

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(185, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 87.2161, 0.2883, 0.3632 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(185, 255, 224) }
```

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

```
.border{ border-color:rgb(185, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 255, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 255, 224); box-shadow:4px 4px 4px 4px rgb(185, 255, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2161, 0.2883, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 224) }
```

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

```
.background{ background-color: rgb(185,  
255, 224) }
```

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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