

Converting Colors

$Y_{xy}(135.6692, 0.2927, 0.4338)$

Have a look what the booklet for
Yxy(135.6692, 0.2927, 0.4338)
contains.

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Color

Yxy(86.1296, 0.2902, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFD7
RGB	180, 255, 215
RGB Percent	71%, 100%, 84%
CMY	0.2940, 0.0000, 0.1569
CMYK	0.29, 0.00, 0.16, 0.00
HSL	148°, 100%, 85%
HSV	148°, 29%, 100%
XYZ	66.8489, 86.1296, 77.3761
YIQ	228.0150, -31.8600, -28.3400

Conversions

Conversions Part 2

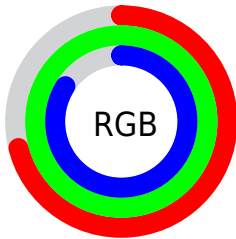
Format	Color
RYB	180, 231, 255
Decimal	11861975
CIELab	94.37, -31.07, 11.81
CIELCh	94, 33.239, 159.182
Yxy	86.1296, 0.2902, 0.3739
Android (android.graphics.Color)	4290052055 (0xFFB4FFD7)
YUV	228.0150, -6.4164, -42.1092
Hunter-Lab	92.8060, -33.8356, 15.5318

Details

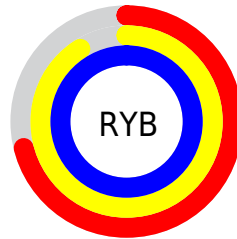
The Yxy color **86.1296, 0.2902, 0.3739** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.0801, 0.3439, 0.2882**, and the grayscale version is **77.6621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **47.2862, 0.2849, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **82.6756, 0.2836, 0.3923**, and if you desaturate by 10%, it is **90.2075, 0.2975, 0.3570**.

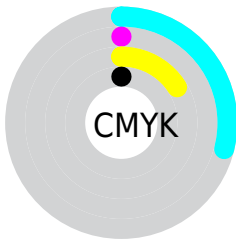
Distribution



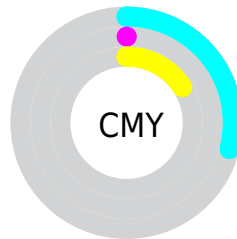
- Red (71%)
- Green (100%)
- Blue (84%)



- Red (71%)
- Yellow (91%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1296, 0.2902, 0.3739 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 86.1296, 0.2902, 0.3739 by changing the saturation by 10% instead.

 86.1296, 0.2902,
0.3739

 86.1296, 0.2902,
0.3739


515.3585, 0.3006,
0.3531

 64.7751, 0.2878,
0.3787

 141.9503, 0.2938,
0.3667

 47.2788, 0.2849,
0.3846

177.1854, 0.2952,
0.3638

 33.2561, 0.2811,
0.3921


217.8161, 0.2964,
0.3614

 22.3227, 0.2762,
0.4019

264.2269, 0.2975,
0.3593

 14.0942, 0.2696,
0.4154

316.8021, 0.2984,
0.3575

 8.1862, 0.2600,
0.4347

375.9262, 0.2992,

 4.2143, 0.2450,

0.3558

0.4651

441.9835, 0.3000,
0.3544

■ 1.7942, 0.2181,
0.5195

■ 0.4835, 0.0000,
1.0000

■ 86.1296, 0.2902,
0.3739

■ 86.1296, 0.2902,
0.3739

■ 82.6756, 0.2836,
0.3923

■ 90.2075, 0.2975,
0.3570

■ 79.8091, 0.2781,
0.4121


■ 94.9351, 0.3053,
0.3418

■ 77.4962, 0.2740,
0.4328


■ 100.0000, 0.3127,
0.3290

■ 75.6974, 0.2717,
0.4540

 74.3682, 0.2713,
0.4751

 73.4555, 0.2729,
0.4954

 72.8787, 0.2763,
0.5143

 72.8494, 0.2765,
0.5154

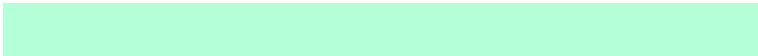
Harmonies

Analogous

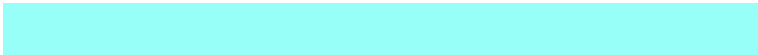
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1296, 0.3276, 0.3947



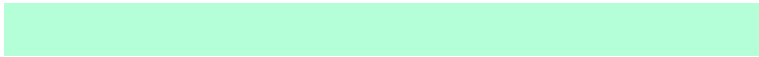
86.1296, 0.2902, 0.3739



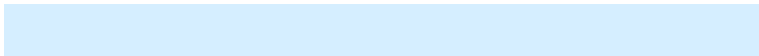
86.1296, 0.2601, 0.3390

Triad

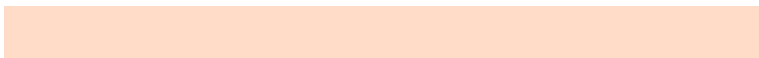
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1296, 0.2902, 0.3739



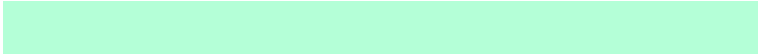
86.1296, 0.2629, 0.2676



86.1296, 0.3866, 0.3472

Complementary

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



86.1296, 0.2902, 0.3739



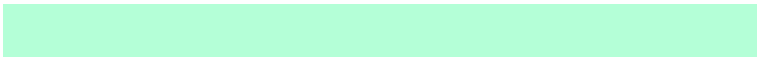
59.0801, 0.3439, 0.2882

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.



86.1296, 0.3673, 0.3163



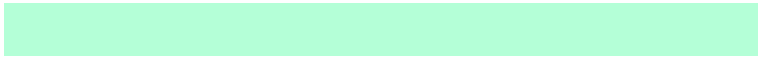
86.1296, 0.2902, 0.3739



86.1296, 0.2944, 0.2721

Square

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



86.1296, 0.2902, 0.3739



86.1296, 0.2451, 0.2781



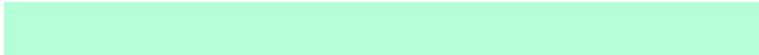
86.1296, 0.3327, 0.2896



86.1296, 0.3845, 0.3758

Rectangle

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



86.1296, 0.2902, 0.3739



86.1296, 0.2476, 0.3146



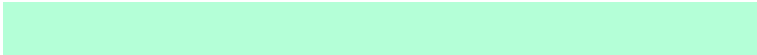
86.1296, 0.3327, 0.2896



86.1296, 0.3824, 0.3368

Sweetspot

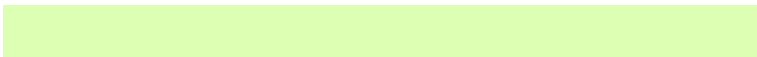
The Sweet Spot groups the original color and five complimentary colors.



86.1309, 0.2902, 0.3739



95.1402, 0.3056, 0.3412



90.2290, 0.3346, 0.4086



20.2069, 0.3044, 0.3433



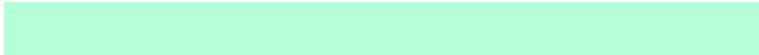
0.0000, 0.0000, 0.0000



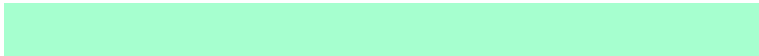
21.4041, 0.3127, 0.3290

Same Dimension

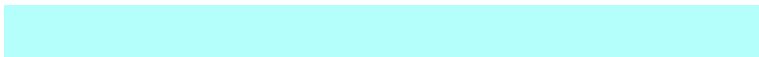
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1309, 0.2902, 0.3739



84.1228, 0.2864, 0.3840



88.2066, 0.2719, 0.3329



20.3091, 0.3052, 0.3420



38.0949, 0.2757, 0.5124



3.7310, 0.2696, 0.4907

Inverse Universe

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



59.0801, 0.3439, 0.2882



53.2654, 0.3518, 0.2802



57.3616, 0.3753, 0.3253



18.1492, 0.3210, 0.3164



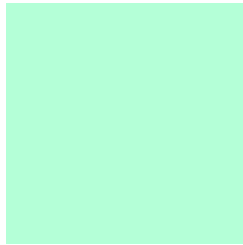
12.0697, 0.4821, 0.2430



1.1973, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 86.1296, 0.2902, 0.3739 looks on a white background.

Color Contrast Check

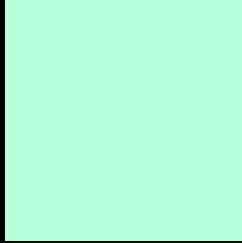
Large Text (above 18pt) WCAG AA × Fail

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 86.1296, 0.2902, 0.3739 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 86.1296, 0.2902, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 86.1296, 0.2902, 0.3739.

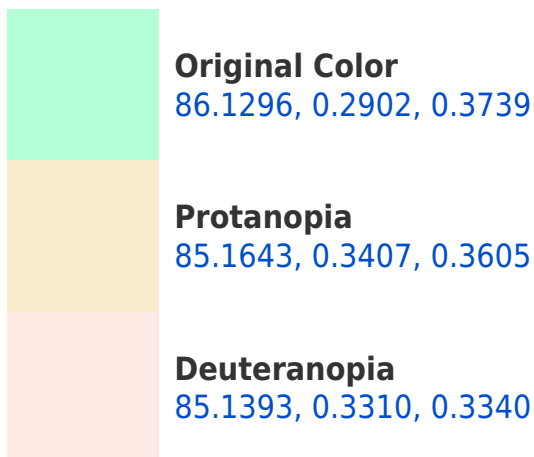


This preview shows how white text looks on a background with the Yxy color 86.1296, 0.2902, 0.3739.

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

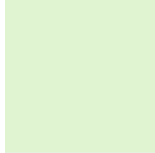
85.4673, 0.2872, 0.3165

Trichromacy



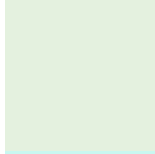
Original Color

86.1296, 0.2902, 0.3739



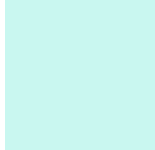
Protanomaly

85.1521, 0.3208, 0.3661



Deuteranomaly

84.7323, 0.3151, 0.3478



Tritanomaly

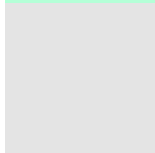
85.2303, 0.2884, 0.3364

Monochromacy



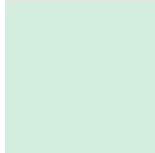
Original Color

86.1296, 0.2902, 0.3739



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.3257, 0.3041, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1296, 0.2902, 0.3739 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(180, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 215)  
}
```

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(180, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 86.1296, 0.2902, 0.3739 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(180, 255, 215) }
```

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

```
.border{ border-color:rgb(180, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1296, 0.2902, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 215) }
```

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

```
.background{ background-color: rgb(180,  
255, 215) }
```

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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