

Converting Colors

$Y_{xy}(100.0000, 0.2942, 0.3991)$

Have a look what the booklet for
Yxy(100.0000, 0.2942, 0.3991)
contains.

Yxy(86.1682, 0.2934, 0.3784)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.1682, 0.2934, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	B6FFD3
RGB	182, 255, 211
RGB Percent	71%, 100%, 83%
CMY	0.2862, 0.0000, 0.1726
CMYK	0.29, 0.00, 0.17, 0.00
HSL	144°, 100%, 86%
HSV	144°, 29%, 100%
XYZ	66.8122, 86.1682, 74.7368
YIQ	228.1570, -29.3840, -29.1600

Conversions

Conversions Part 2

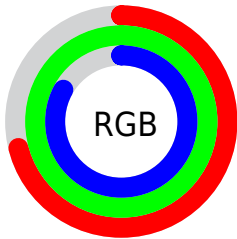
Format	Color
RYB	182, 234, 255
Decimal	11993043
CIELab	94.38, -31.22, 13.89
CIELCh	94, 34.174, 156.009
Yxy	86.1682, 0.2934, 0.3784
Android (android.graphics.Color)	4290183123 (0xFFB6FFD3)
YUV	228.1570, -8.4584, -40.4797
Hunter-Lab	92.8268, -33.9713, 17.2432

Details

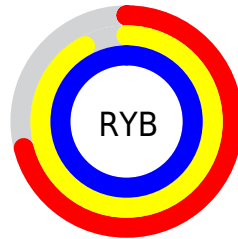
The Yxy color **86.1682, 0.2934, 0.3784** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.2165, 0.3387, 0.2844**, and the grayscale version is **77.7871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **47.3005, 0.2888, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **82.6084, 0.2875, 0.3992**, and if you desaturate by 10%, it is **90.3720, 0.2999, 0.3594**.

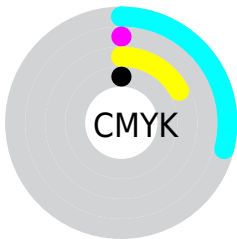
Distribution



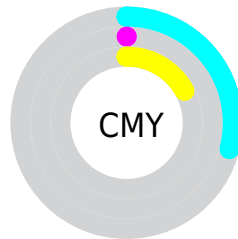
- Red (71%)
- Green (100%)
- Blue (83%)



- Red (71%)
- Yellow (92%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1682, 0.2934, 0.3784 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 86.1682, 0.2934, 0.3784 by changing the saturation by 10% instead.

 86.1682, 0.2934,
0.3784

 86.1682, 0.2934,
0.3784

515.4857, 0.3025,
0.3554

 64.8071, 0.2913,
0.3837

 142.0042, 0.2966,
0.3704

 47.3047, 0.2887,
0.3902


177.2478, 0.2978,
0.3673

 33.2766, 0.2854,
0.3986


217.8878, 0.2989,
0.3646

 22.3384, 0.2810,
0.4095

264.3084, 0.2998,
0.3623

 14.1058, 0.2749,
0.4244

316.8941, 0.3006,
0.3602

 8.1943, 0.2661,
0.4460

376.0293, 0.3013,

 4.2195, 0.2521,

0.3584

0.4799

442.0983, 0.3019,
0.3568

1.7971, 0.2269,
0.5428

0.4854, 0.0000,
1.0000

86.1682, 0.2934,
0.3784

86.1682, 0.2934,
0.3784

82.6084, 0.2875,
0.3992

90.3720, 0.2999,
0.3594

79.6524, 0.2826,
0.4216

95.2428, 0.3067,
0.3422

77.2670, 0.2790,
0.4451

100.0000, 0.3127,
0.3290

75.4123, 0.2770,
0.4690

■ 74.0435, 0.2768,
0.4924

■ 73.1075, 0.2786,
0.5145

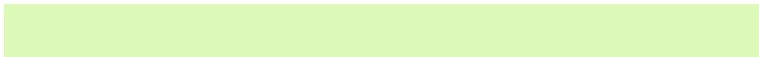
■ 72.5296, 0.2820,
0.5344

■ 72.4646, 0.2825,
0.5370

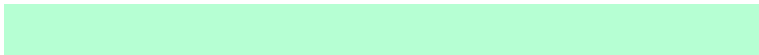
Harmonies

Analogous

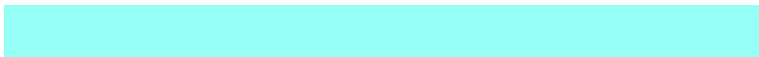
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1682, 0.3320, 0.3976



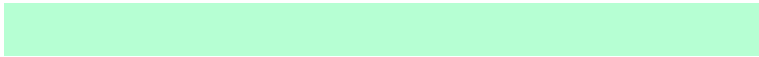
86.1682, 0.2934, 0.3784



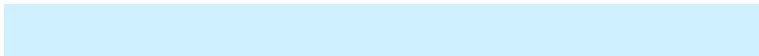
86.1682, 0.2613, 0.3434

Triad

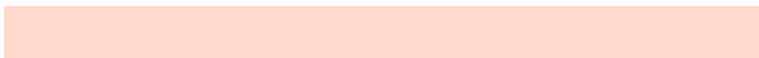
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1682, 0.2934, 0.3784



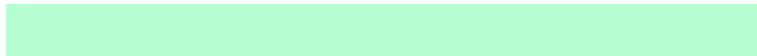
86.1682, 0.2589, 0.2663



86.1682, 0.3876, 0.3442

Complementary

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



86.1682, 0.2934, 0.3784



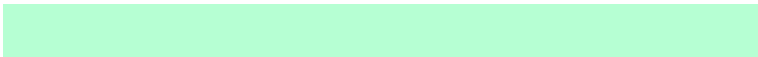
60.2165, 0.3387, 0.2844

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.



86.1682, 0.3656, 0.3127



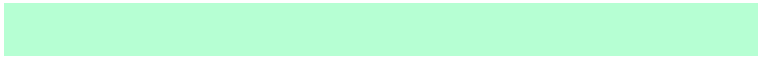
86.1682, 0.2934, 0.3784



86.1682, 0.2899, 0.2694

Square

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



86.1682, 0.2934, 0.3784



86.1682, 0.2424, 0.2788



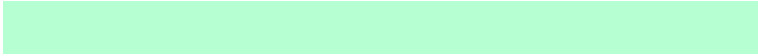
86.1682, 0.3291, 0.2861



86.1682, 0.3878, 0.3742

Rectangle

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



86.1682, 0.2934, 0.3784



86.1682, 0.2474, 0.3180



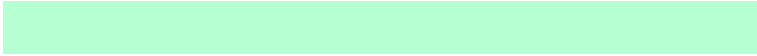
86.1682, 0.3291, 0.2861



86.1682, 0.3825, 0.3336

Sweetspot

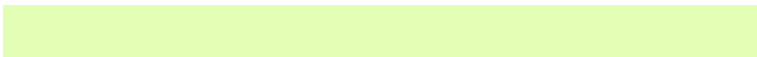
The Sweet Spot groups the original color and five complimentary colors.



86.1707, 0.2934, 0.3784



95.0448, 0.3065, 0.3429



91.2331, 0.3373, 0.4055



20.1835, 0.3055, 0.3452



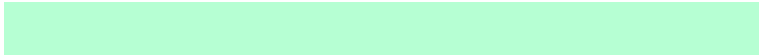
0.0000, 0.0000, 0.0000



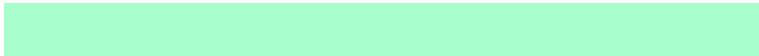
21.4041, 0.3127, 0.3290

Same Dimension

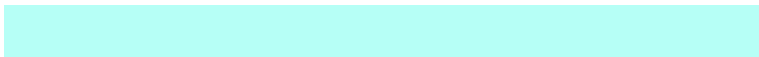
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1707, 0.2934, 0.3784



84.1766, 0.2901, 0.3894



88.1513, 0.2752, 0.3381



20.2877, 0.3061, 0.3437



37.8917, 0.2817, 0.5339



3.7102, 0.2754, 0.5113

Inverse Universe

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



60.2165, 0.3387, 0.2844



54.5739, 0.3451, 0.2758



58.4655, 0.3688, 0.3203



18.1710, 0.3199, 0.3148



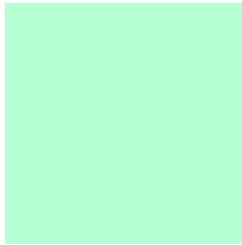
12.3537, 0.4532, 0.2270



1.2244, 0.4340, 0.2164

Previews

White Background



This preview shows how the Yxy color 86.1682, 0.2934, 0.3784 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 86.1682, 0.2934, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

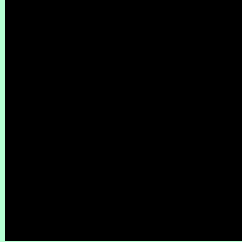
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1682, 0.2934, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 86.1682, 0.2934, 0.3784.

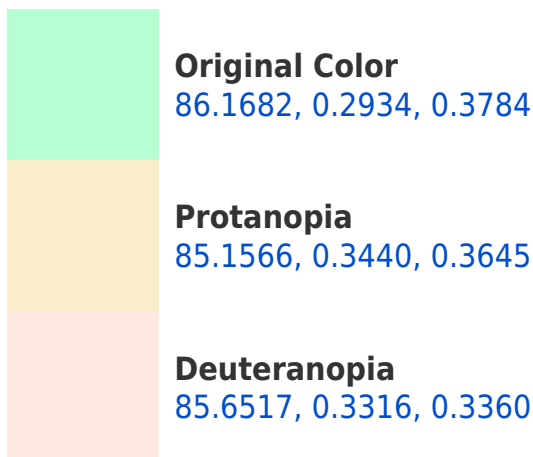


This preview shows how white text looks on a background with the Yxy color 86.1682, 0.2934, 0.3784.

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

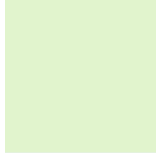
85.6173, 0.2878, 0.3165

Trichromacy



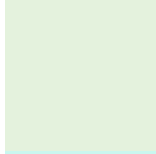
Original Color

86.1682, 0.2934, 0.3784



Protanomaly

85.1167, 0.3238, 0.3704



Deuteranomaly

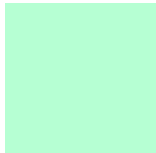
85.2187, 0.3163, 0.3509



Tritanomaly

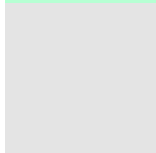
85.3101, 0.2896, 0.3375

Monochromacy



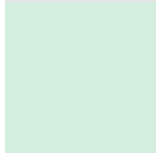
Original Color

86.1682, 0.2934, 0.3784



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2719, 0.3047, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1682, 0.2934, 0.3784 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(182, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 211)  
}
```

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(182, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 211) }
```

Border

The CSS property to change the border of an element to Yxy 86.1682, 0.2934, 0.3784 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(182, 255, 211) }
```

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

```
.border{ border-color:rgb(182, 255, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1682, 0.2934, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 211) }
```

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

```
.background{ background-color: rgb(182,  
255, 211) }
```

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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