

Converting Colors

$Yxy(86.2385, 0.2944, 0.3687)$

Have a look what the booklet for
Yxy(86.2385, 0.2944, 0.3687)
contains.

Yxy(86.2075, 0.2947, 0.3688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.2075, 0.2947, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	BEFDD9
RGB	190, 253, 217
RGB Percent	75%, 99%, 85%
CMY	0.2549, 0.0078, 0.1490
CMYK	0.25, 0.00, 0.14, 0.01
HSL	146°, 94%, 87%
HSV	146°, 25%, 99%
XYZ	68.8865, 86.2075, 78.6573
YIQ	230.0590, -25.9920, -24.5520

Conversions

Conversions Part 2

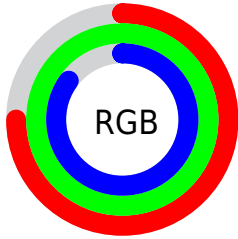
Format	Color
RYB	190, 234, 253
Decimal	12516825
CIELab	94.40, -26.74, 10.89
CIElCh	94, 28.873, 157.839
Yxy	86.2075, 0.2947, 0.3688
Android (android.graphics.Color)	4290706905 (0xFFBEFDD9)
YUV	230.0590, -6.4381, -35.1317
Hunter-Lab	92.8480, -30.0498, 14.7653

Details

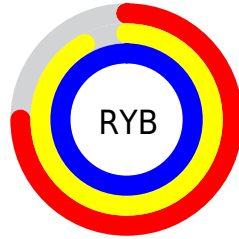
The Yxy color **86.2075, 0.2947, 0.3688** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2053, 0.3361, 0.2924**, and the grayscale version is **79.2429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **47.2394, 0.2903, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **82.5111, 0.2882, 0.3879**, and if you desaturate by 10%, it is **90.5424, 0.3018, 0.3515**.

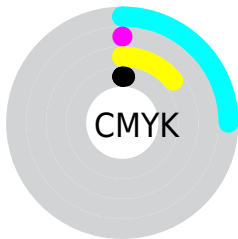
Distribution



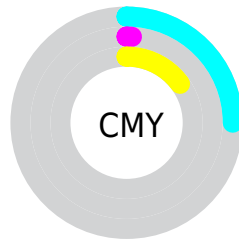
- Red (75%)
- Green (99%)
- Blue (85%)



- Red (75%)
- Yellow (92%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (1%)





- Cyan (25%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.2075, 0.2947, 0.3688 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 86.2075, 0.2947, 0.3688 by changing the saturation by 10% instead.


 86.2075, 0.2947,
0.3688

 86.2075, 0.2947,
0.3688

515.6152, 0.3031,
0.3504

 64.8396, 0.2928,
0.3730

 142.0590, 0.2976,
0.3624

 47.3310, 0.2904,
0.3782


177.3114, 0.2987,
0.3599

 33.2974, 0.2874,
0.3848


217.9607, 0.2997,
0.3578

 22.3544, 0.2835,
0.3934

264.3914, 0.3005,
0.3559

 14.1175, 0.2782,
0.4051

316.9877, 0.3013,
0.3543

 8.2024, 0.2705,
0.4220

376.1342, 0.3019,

 4.2248, 0.2585,

0.3528

0.4484

442.2152, 0.3025,
0.3515

■ 1.8001, 0.2372,
0.4949

■ 0.4872, 0.0000,
1.0000

■ 86.2075, 0.2947,
0.3688

■ 86.2075, 0.2947,
0.3688

■ 82.5111, 0.2882,
0.3879

■ 90.5424, 0.3018,
0.3515

■ 79.4117, 0.2826,
0.4085

■ 95.5338, 0.3091,
0.3360

■ 76.8791, 0.2781,
0.4304

■ 98.7328, 0.3128,
0.3271

■ 74.8764, 0.2752,
0.4529

■ 73.3620, 0.2742,
0.4756

■ 72.2875, 0.2751,
0.4974

■ 71.5940, 0.2779,
0.5177

■ 71.3446, 0.2798,
0.5274

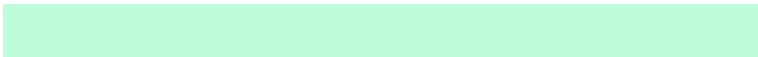
Harmonies

Analogous

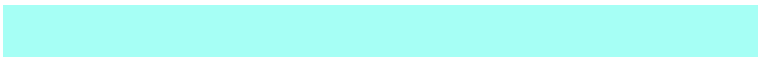
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2075, 0.3274, 0.3860



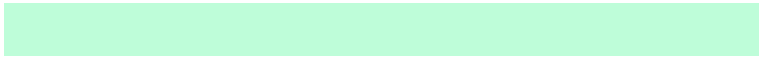
86.2075, 0.2947, 0.3688



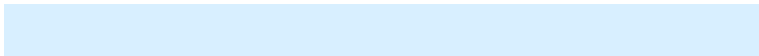
86.2075, 0.2678, 0.3393

Triad

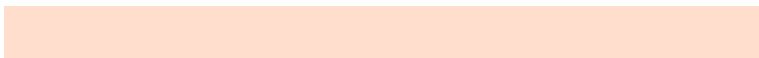
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2075, 0.2947, 0.3688



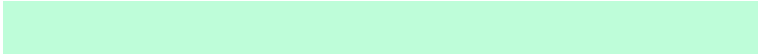
86.2075, 0.2683, 0.2754



86.2075, 0.3764, 0.3441

Complementary

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



86.2075, 0.2947, 0.3688



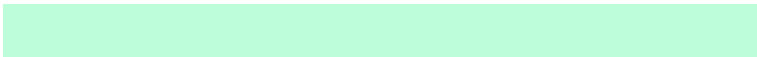
63.2053, 0.3361, 0.2924

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.



86.2075, 0.3589, 0.3170



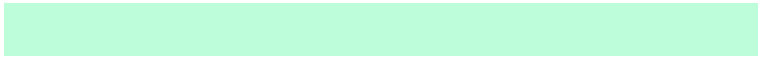
86.2075, 0.2947, 0.3688



86.2075, 0.2955, 0.2786

Square

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



86.2075, 0.2947, 0.3688



86.2075, 0.2532, 0.2856



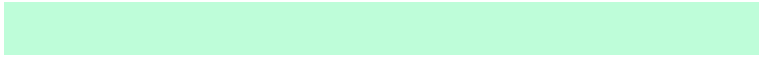
86.2075, 0.3287, 0.2936



86.2075, 0.3756, 0.3692

Rectangle

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



86.2075, 0.2947, 0.3688



86.2075, 0.2563, 0.3182



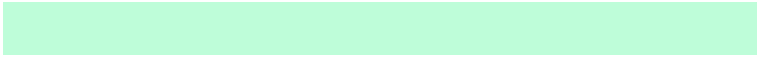
86.2075, 0.3287, 0.2936



86.2075, 0.3724, 0.3350

Sweetspot

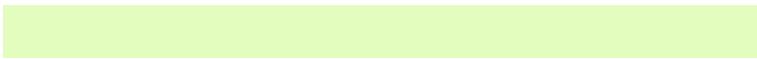
The Sweet Spot groups the original color and five complimentary colors.



86.2111, 0.2947, 0.3688



96.1307, 0.3075, 0.3391



90.2620, 0.3328, 0.3952



20.5080, 0.3071, 0.3400



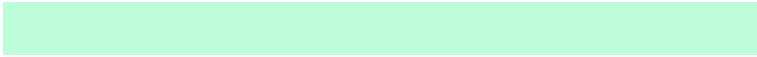
0.0000, 0.0000, 0.0000



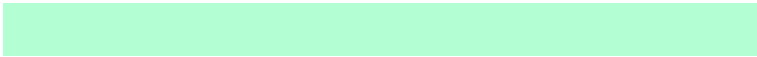
21.4041, 0.3127, 0.3290

Same Dimension

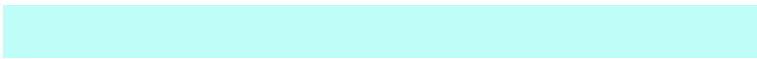
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2111, 0.2947, 0.3688



85.7617, 0.2913, 0.3783



87.9631, 0.2786, 0.3345



20.2974, 0.3057, 0.3429



37.9794, 0.2790, 0.5244



3.7193, 0.2728, 0.5021

Inverse Universe

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



63.2053, 0.3361, 0.2924



58.5856, 0.3423, 0.2845



61.6657, 0.3611, 0.3237



18.1611, 0.3204, 0.3155



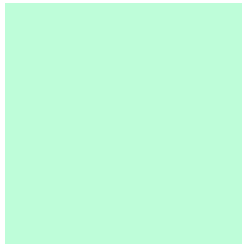
12.2191, 0.4663, 0.2342



1.2116, 0.4451, 0.2225

Previews

White Background



This preview shows how the Yxy color 86.2075, 0.2947, 0.3688 looks on a white background.

Color Contrast Check

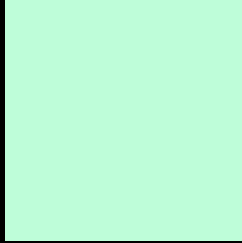
Large Text (above 18pt) WCAG AA × Fail

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 86.2075, 0.2947, 0.3688 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

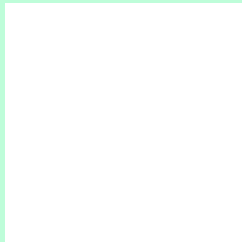
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2075, 0.2947, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 86.2075, 0.2947, 0.3688.

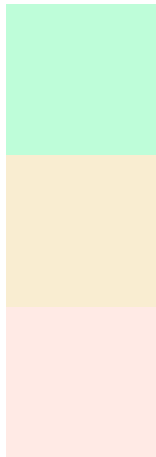


This preview shows how white text looks on a background with the Yxy color 86.2075, 0.2947, 0.3688.

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

86.2075, 0.2947, 0.3688

Protanopia

85.3116, 0.3388, 0.3574

Deuteranopia

85.7628, 0.3303, 0.3340



Tritanopia

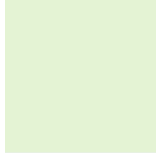
85.9201, 0.2889, 0.3166

Trichromacy



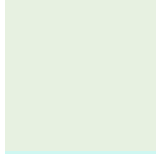
Original Color

86.2075, 0.2947, 0.3688



Protanomaly

85.3486, 0.3217, 0.3616



Deuteranomaly

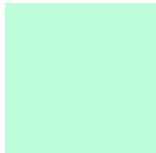
85.3358, 0.3159, 0.3456



Tritanomaly

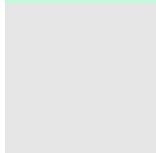
86.1378, 0.2914, 0.3353

Monochromacy



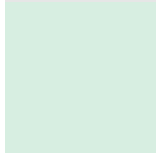
Original Color

86.2075, 0.2947, 0.3688



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.0324, 0.3055, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2075, 0.2947, 0.3688 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, 253, 217)` looks like.

```
.text, #text, p{  
    color:rgb(190, 253, 217)  
}
```

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, 253, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 253, 217) }
```

Border

The CSS property to change the border of an element to Yxy 86.2075, 0.2947, 0.3688 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, 253, 217) }
```

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

```
.border{ border-color:rgb(190, 253, 217) }
```

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

Here you see how a box with a 4 pixel rgb(190, 253, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 253, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 253, 217);  
box-shadow:4px 4px 4px 4px rgb(190, 253,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2075, 0.2947, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 253, 217) }
```

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

```
.background{ background-color: rgb(190,  
253, 217) }
```

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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