

Converting Colors

$Yxy(87.5890, 0.2942, 0.3693)$

Have a look what the booklet for
Yxy(87.5890, 0.2942, 0.3693)
contains.

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Color

Yxy(87.5291, 0.2942, 0.3697)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFDA
RGB	190, 255, 218
RGB Percent	75%, 100%, 85%
CMY	0.2549, 0.0000, 0.1450
CMYK	0.25, 0.00, 0.14, 0.00
HSL	146°, 100%, 87%
HSV	146°, 25%, 100%
XYZ	69.6539, 87.5291, 79.5741
YIQ	231.3470, -26.8630, -25.2870

Conversions

Conversions Part 2

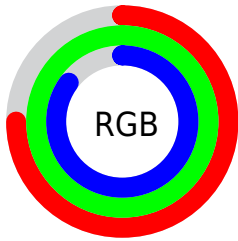
Format	Color
RYB	190, 235, 255
Decimal	12517338
CIELab	94.96, -27.50, 11.16
CIELCh	95, 29.678, 157.902
Yxy	87.5291, 0.2942, 0.3697
Android (android.graphics.Color)	4290707418 (0xFFBEFFDA)
YUV	231.3470, -6.5801, -36.2613
Hunter-Lab	93.5570, -30.8300, 15.0613

Details

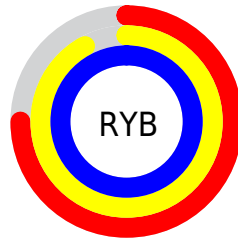
The Yxy color **87.5291, 0.2942, 0.3697** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.6339, 0.3369, 0.2916**, and the grayscale version is **80.2514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **48.1834, 0.2898, 0.3794** is the 20% darker color. If you saturate the color by 10%, you get **83.8035, 0.2877, 0.3888**, and if you desaturate by 10%, it is **91.9005, 0.3013, 0.3524**.

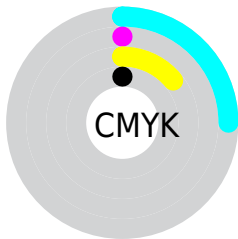
Distribution



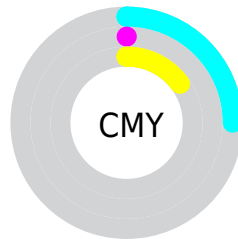
- Red (75%)
- Green (100%)
- Blue (85%)



- Red (75%)
- Yellow (92%)
- Blue (100%)



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





- Cyan (25%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5291, 0.2942, 0.3697 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 87.5291, 0.2942, 0.3697 by changing the saturation by 10% instead.


 87.5291, 0.2942,
0.3697

 87.5291, 0.2942,
0.3697

519.9599, 0.3028,
0.3509

 65.9332, 0.2922,
0.3740


 143.9014, 0.2972,
0.3632

 48.2181, 0.2898,
0.3793


179.4465, 0.2983,
0.3607

 33.9997, 0.2868,
0.3860


220.4102, 0.2993,
0.3585

 22.8933, 0.2828,
0.3947

267.1767, 0.3002,
0.3566

 14.5148, 0.2774,
0.4066

320.1306, 0.3009,
0.3549

 8.4796, 0.2696,
0.4236

379.6561, 0.3016,

 4.4033, 0.2574,

0.3534

0.4501

446.1378, 0.3022,
0.3521

■ 1.9016, 0.2362,
0.4965

■ 0.5494, 0.0000,
1.0000

■ 87.5291, 0.2942,
0.3697

■ 87.5291, 0.2942,
0.3697

■ 83.8035, 0.2877,
0.3888

■ 91.9005, 0.3013,
0.3524

■ 80.6846, 0.2821,
0.4094

■ 96.9397, 0.3086,
0.3368

■ 78.1407, 0.2777,
0.4312

100.0000, 0.3127,
0.3290

■ 76.1336, 0.2749,
0.4537

■ 74.6207, 0.2740,
0.4762

■ 73.5523, 0.2750,
0.4980

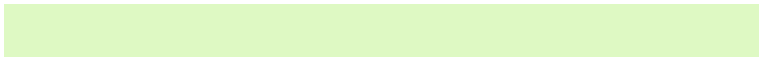
■ 72.8674, 0.2779,
0.5181

■ 72.6449, 0.2796,
0.5266

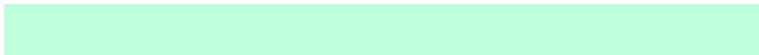
Harmonies

Analogous

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



87.5291, 0.3276, 0.3873



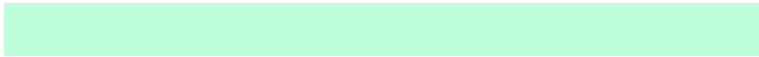
87.5291, 0.2942, 0.3697



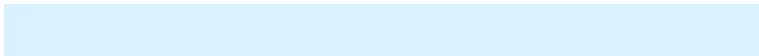
87.5291, 0.2667, 0.3395

Triad

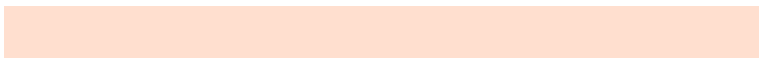
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5291, 0.2942, 0.3697



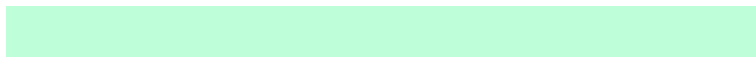
87.5291, 0.2674, 0.2742



87.5291, 0.3779, 0.3444

Complementary

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



87.5291, 0.2942, 0.3697



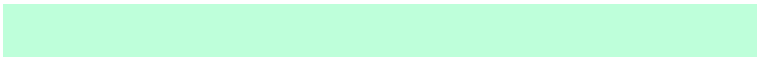
63.6339, 0.3369, 0.2916

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.



87.5291, 0.3600, 0.3167



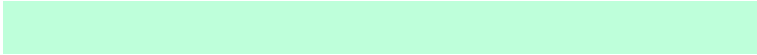
87.5291, 0.2942, 0.3697



87.5291, 0.2951, 0.2775

Square

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



87.5291, 0.2942, 0.3697



87.5291, 0.2519, 0.2845



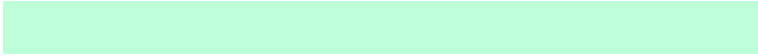
87.5291, 0.3292, 0.2928



87.5291, 0.3770, 0.3701

Rectangle

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



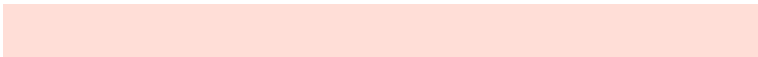
87.5291, 0.2942, 0.3697



87.5291, 0.2551, 0.3179



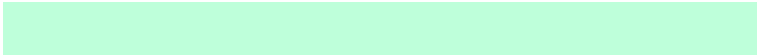
87.5291, 0.3292, 0.2928



87.5291, 0.3738, 0.3351

Sweetspot

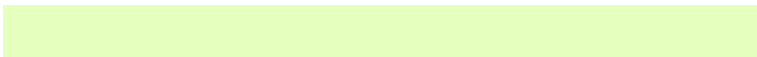
The Sweet Spot groups the original color and five complimentary colors.



87.5315, 0.2942, 0.3697



95.6092, 0.3068, 0.3405



91.7187, 0.3333, 0.3969



20.2982, 0.3056, 0.3428



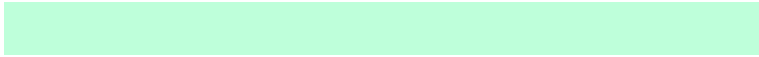
0.0000, 0.0000, 0.0000



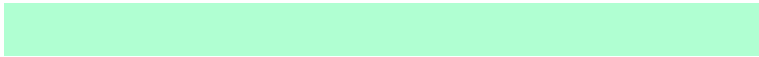
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5315, 0.2942, 0.3697



85.3993, 0.2905, 0.3800



89.3439, 0.2779, 0.3347



20.2982, 0.3056, 0.3428



37.9871, 0.2788, 0.5236



3.7201, 0.2726, 0.5013

Inverse Universe

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



63.6339, 0.3369, 0.2916



57.5069, 0.3437, 0.2832



62.0486, 0.3626, 0.3235



18.1602, 0.3205, 0.3156



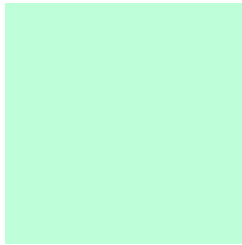
12.2082, 0.4674, 0.2348



1.2106, 0.4460, 0.2231

Previews

White Background



This preview shows how the Yxy color 87.5291, 0.2942, 0.3697 looks on a white background.

Color Contrast Check

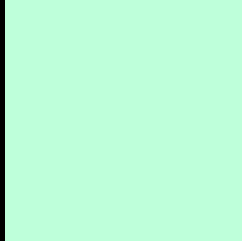
Large Text (above 18pt) WCAG AA × Fail

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 87.5291, 0.2942, 0.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

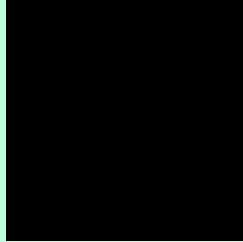
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

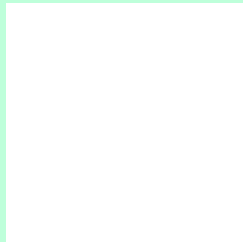
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5291, 0.2942, 0.3697

Background



This preview shows how black text looks on a background with the Yxy color 87.5291, 0.2942, 0.3697.

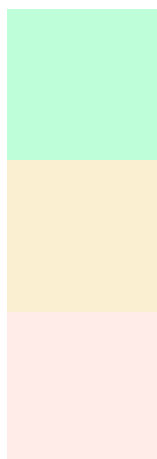


This preview shows how white text looks on a background with the Yxy color 87.5291, 0.2942, 0.3697.

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

87.5291, 0.2942, 0.3697

Protanopia

86.8954, 0.3392, 0.3582

Deuteranopia

87.0771, 0.3281, 0.3330



Tritanopia

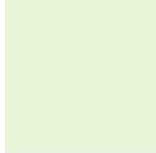
87.1370, 0.2914, 0.3177

Trichromacy



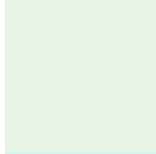
Original Color

87.5291, 0.2942, 0.3697



Protanomaly

86.7669, 0.3216, 0.3625



Deuteranomaly

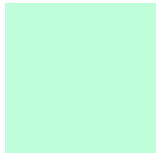
86.6362, 0.3145, 0.3455



Tritanomaly

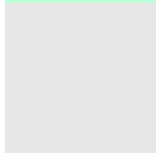
87.1009, 0.2921, 0.3353

Monochromacy



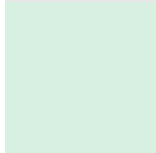
Original Color

87.5291, 0.2942, 0.3697



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4101, 0.3055, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5291, 0.2942, 0.3697 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, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 218)  
}
```

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, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 87.5291, 0.2942, 0.3697 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, 255, 218) }
```

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

```
.border{ border-color:rgb(190, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5291, 0.2942, 0.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 218) }
```

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

```
.background{ background-color: rgb(190,  
255, 218) }
```

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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