

Converting Colors

$Yxy(88.7781, 0.2932, 0.3598)$

Have a look what the booklet for
Yxy(88.7781, 0.2932, 0.3598)
contains.

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Color

Yxy(88.7467, 0.2934, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFE2
RGB	196, 255, 226
RGB Percent	77%, 100%, 89%
CMY	0.2314, 0.0000, 0.1138
CMYK	0.23, 0.00, 0.11, 0.00
HSL	150°, 100%, 88%
HSV	150°, 23%, 100%
XYZ	72.2483, 88.7467, 85.2500
YIQ	234.0530, -25.8550, -21.5270

Conversions

Conversions Part 2

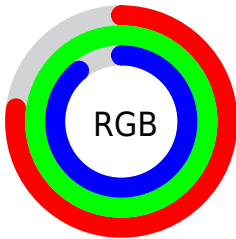
Format	Color
RYB	196, 235, 255
Decimal	12910562
CIELab	95.47, -24.18, 7.86
CIElCh	95, 25.423, 161.986
Yxy	88.7467, 0.2934, 0.3604
Android (android.graphics.Color)	4291100642 (0xFFC4FFE2)
YUV	234.0530, -3.9701, -33.3725
Hunter-Lab	94.2055, -27.9639, 12.2901

Details

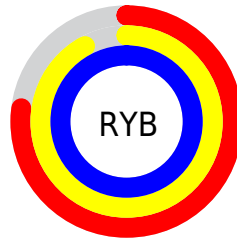
The Yxy color **88.7467, 0.2934, 0.3604** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.1774, 0.3377, 0.2996**, and the grayscale version is **82.3633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.9912, 0.2887, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **84.9474, 0.2858, 0.3764**, and if you desaturate by 10%, it is **93.1741, 0.3016, 0.3459**.

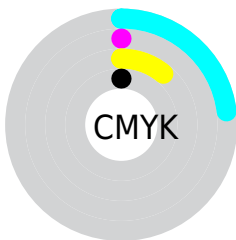
Distribution



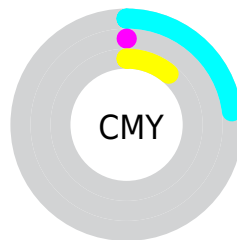
- Red (77%)
- Green (100%)
- Blue (89%)



- Red (77%)
- Yellow (92%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7467, 0.2934, 0.3604 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 88.7467, 0.2934, 0.3604 by changing the saturation by 10% instead.

 88.7467, 0.2934,
0.3604

 88.7467, 0.2934,
0.3604

523.9454, 0.3022,
0.3460

 66.9416, 0.2914,
0.3636

145.5963, 0.2964,
0.3554

 49.0372, 0.2890,
0.3676

181.4096, 0.2976,
0.3535

 34.6490, 0.2860,
0.3727


222.6611, 0.2986,
0.3518

 23.3926, 0.2820,
0.3792

269.7352, 0.2995,
0.3504

 14.8837, 0.2768,
0.3880

323.0163, 0.3003,
0.3491

 8.7378, 0.2693,
0.4005

382.8887, 0.3010,

 4.5705, 0.2580,

0.3480

0.4198

449.7370, 0.3016,
0.3470

1.9976, 0.2389,
0.4528

0.6061, 0.0000,
0.8461

88.7467, 0.2934,
0.3604

88.7467, 0.2934,
0.3604

84.9474, 0.2858,
0.3764

93.1741, 0.3016,
0.3459

81.7509, 0.2792,
0.3937

98.2631, 0.3100,
0.3328

79.1224, 0.2738,
0.4122

100.0000, 0.3127,
0.3290

77.0256, 0.2700,
0.4315

■ 75.4197, 0.2680,
0.4511

■ 74.2578, 0.2681,
0.4705

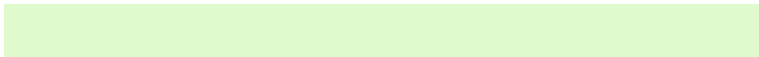
■ 73.4829, 0.2703,
0.4892

■ 73.1191, 0.2726,
0.5013

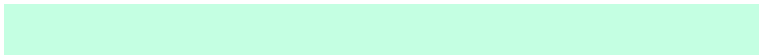
Harmonies

Analogous

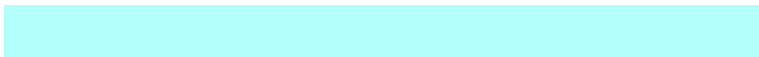
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7467, 0.3218, 0.3772



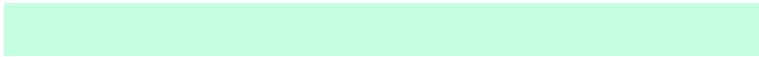
88.7467, 0.2934, 0.3604



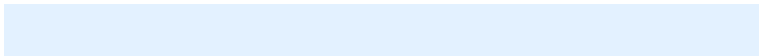
88.7467, 0.2709, 0.3343

Triad

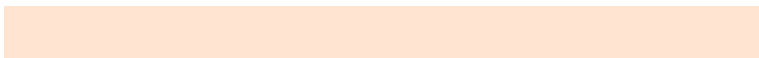
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7467, 0.2934, 0.3604



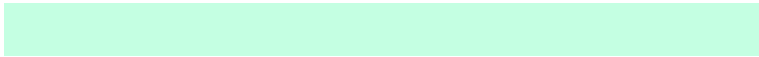
88.7467, 0.2766, 0.2816



88.7467, 0.3690, 0.3458

Complementary

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



88.7467, 0.2934, 0.3604



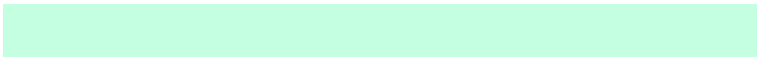
66.1774, 0.3377, 0.2996

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.



88.7467, 0.3559, 0.3218



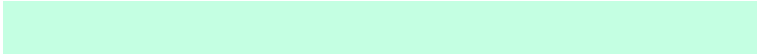
88.7467, 0.2934, 0.3604



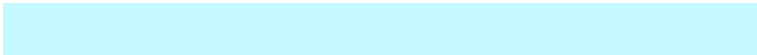
88.7467, 0.3016, 0.2859

Square

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



88.7467, 0.2934, 0.3604



88.7467, 0.2616, 0.2892



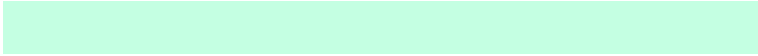
88.7467, 0.3308, 0.3004



88.7467, 0.3662, 0.3669

Rectangle

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



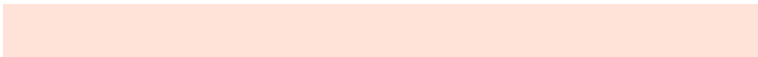
88.7467, 0.2934, 0.3604



88.7467, 0.2619, 0.3162



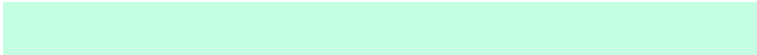
88.7467, 0.3308, 0.3004



88.7467, 0.3663, 0.3379

Sweetspot

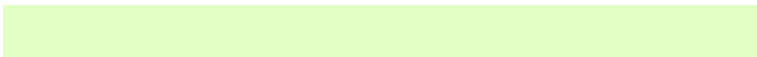
The Sweet Spot groups the original color and five complimentary colors.



88.7450, 0.2934, 0.3604



96.2175, 0.3067, 0.3377



91.5935, 0.3282, 0.3908



20.5280, 0.3062, 0.3384



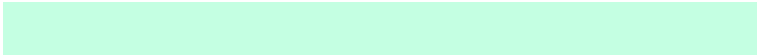
0.0000, 0.0000, 0.0000



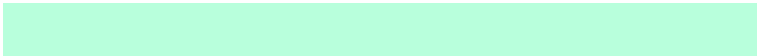
21.4041, 0.3127, 0.3290

Same Dimension

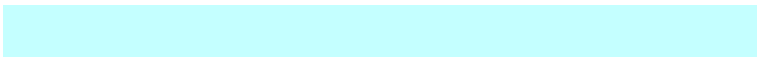
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7450, 0.2934, 0.3604



86.8214, 0.2896, 0.3680



90.4757, 0.2784, 0.3289



20.3222, 0.3046, 0.3409



38.2366, 0.2718, 0.4984



3.7450, 0.2661, 0.4779

Inverse Universe

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



66.1774, 0.3377, 0.2996



60.4754, 0.3444, 0.2932



64.7250, 0.3608, 0.3291



18.1361, 0.3217, 0.3174



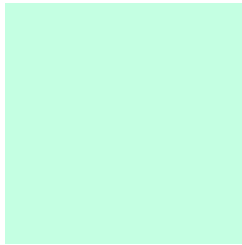
11.9188, 0.4998, 0.2527



1.1825, 0.4739, 0.2385

Previews

White Background



This preview shows how the Yxy color 88.7467, 0.2934, 0.3604 looks on a white background.

Color Contrast Check

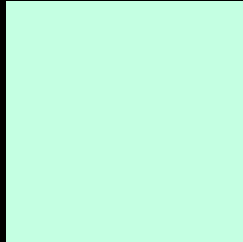
Large Text (above 18pt) WCAG AA × Fail

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 88.7467, 0.2934, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

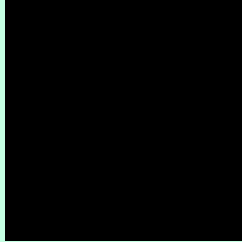
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

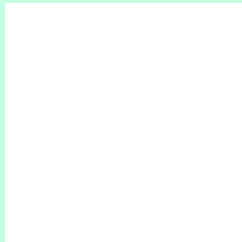
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7467, 0.2934, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 88.7467, 0.2934, 0.3604.

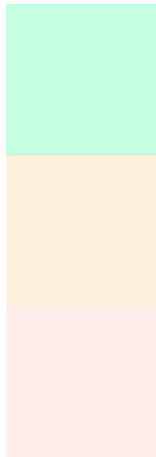


This preview shows how white text looks on a background with the Yxy color 88.7467, 0.2934, 0.3604.

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

88.7467, 0.2934, 0.3604

Protanopia

87.8914, 0.3339, 0.3510

Deuteranopia

87.8845, 0.3254, 0.3300



Tritanopia

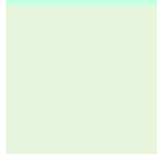
88.3721, 0.2938, 0.3188

Trichromacy



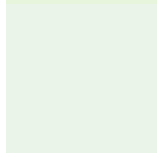
Original Color

88.7467, 0.2934, 0.3604



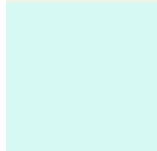
Protanomaly

87.5142, 0.3180, 0.3538



Deuteranomaly

88.0200, 0.3134, 0.3412



Tritanomaly

88.5792, 0.2940, 0.3341

Monochromacy



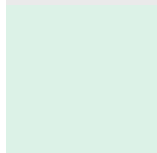
Original Color

88.7467, 0.2934, 0.3604



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4894, 0.3051, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7467, 0.2934, 0.3604 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(196, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 226)  
}
```

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(196, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 88.7467, 0.2934, 0.3604 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(196, 255, 226) }
```

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

```
.border{ border-color:rgb(196, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 226); box-shadow:4px 4px 4px 4px rgb(196, 255, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7467, 0.2934, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 226) }
```

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

```
.background{ background-color: rgb(196,  
255, 226) }
```

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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