

Converting Colors

$Y_{xy}(100.0000, 0.2950, 0.3790)$

Have a look what the booklet for
Yxy(100.0000, 0.2950, 0.3790)
contains.

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Color

Yxy(88.7721, 0.2950, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	C5FFE0
RGB	197, 255, 224
RGB Percent	77%, 100%, 88%
CMY	0.2275, 0.0000, 0.1214
CMYK	0.23, 0.00, 0.12, 0.00
HSL	148°, 100%, 89%
HSV	148°, 23%, 100%
XYZ	72.2421, 88.7721, 83.8743
YIQ	234.1240, -24.6170, -21.9370

Conversions

Conversions Part 2

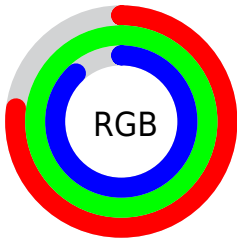
Format	Color
RYB	197, 237, 255
Decimal	12976096
CIELab	95.49, -24.24, 8.88
CIELCh	95, 25.810, 159.882
Yxy	88.7721, 0.2950, 0.3625
Android (android.graphics.Color)	4291166176 (0xFFC5FFE0)
YUV	234.1240, -4.9911, -32.5577
Hunter-Lab	94.2189, -28.0188, 13.1729

Details

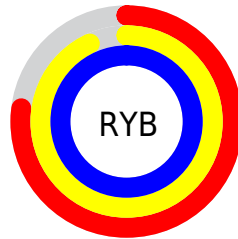
The Yxy color **88.7721, 0.2950, 0.3625** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.7866, 0.3353, 0.2978**, and the grayscale version is **82.4309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **49.0035, 0.2907, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **84.9076, 0.2879, 0.3799**, and if you desaturate by 10%, it is **93.2795, 0.3026, 0.3467**.

Distribution



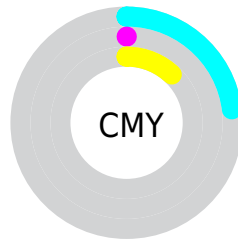
- Red (77%)
- Green (100%)
- Blue (88%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7721, 0.2950, 0.3625 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 88.7721, 0.2950, 0.3625 by changing the saturation by 10% instead.


 88.7721, 0.2950,
0.3625

 88.7721, 0.2950,
0.3625


524.0284, 0.3031,
0.3472

 66.9627, 0.2932,
0.3660


145.6316, 0.2978,
0.3572

 49.0543, 0.2909,
0.3702


181.4505, 0.2989,
0.3551

 34.6626, 0.2881,
0.3756


222.7080, 0.2998,
0.3534

 23.4031, 0.2844,
0.3826

269.7885, 0.3006,
0.3518

 14.8914, 0.2795,
0.3921

323.0764, 0.3014,
0.3504

 8.7432, 0.2725,
0.4056


382.9561, 0.3020,


 4.5741, 0.2618,


0.3492

0.4263

449.8119, 0.3026,
0.3481


 1.9996, 0.2434,
0.4621


 0.6072, 0.0000,
0.9374

 88.7721, 0.2950,
0.3625


 88.7721, 0.2950,
0.3625


 84.9076, 0.2879,
0.3799


 93.2795, 0.3026,
0.3467

 81.6530, 0.2816,
0.3988

 98.4560, 0.3105,
0.3326

 78.9758, 0.2766,
0.4189

 100.0000, 0.3127,
0.3290

 76.8395, 0.2730,
0.4399

■ 75.2031, 0.2713,
0.4611

■ 74.0197, 0.2716,
0.4820

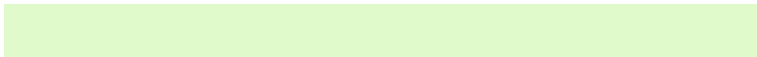
■ 73.2322, 0.2739,
0.5019

■ 72.8495, 0.2765,
0.5154

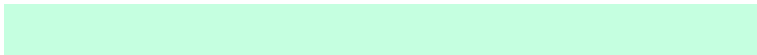
Harmonies

Analogous

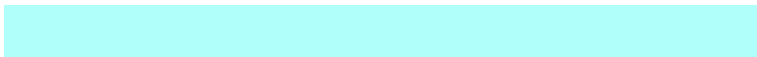
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7721, 0.3239, 0.3786



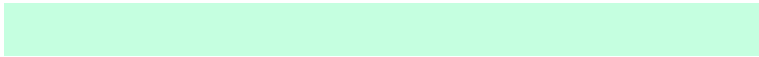
88.7721, 0.2950, 0.3625



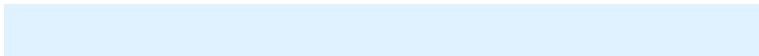
88.7721, 0.2716, 0.3363

Triad

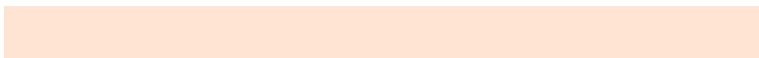
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7721, 0.2950, 0.3625



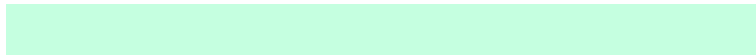
88.7721, 0.2746, 0.2811



88.7721, 0.3695, 0.3444

Complementary

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



88.7721, 0.2950, 0.3625



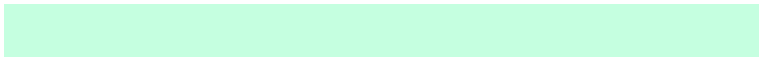
66.7866, 0.3353, 0.2978

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.



88.7721, 0.3551, 0.3200



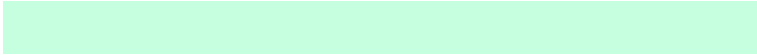
88.7721, 0.2950, 0.3625



88.7721, 0.2995, 0.2846

Square

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



88.7721, 0.2950, 0.3625



88.7721, 0.2602, 0.2896



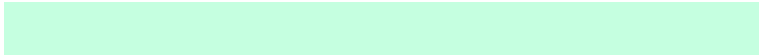
88.7721, 0.3290, 0.2986



88.7721, 0.3677, 0.3662

Rectangle

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



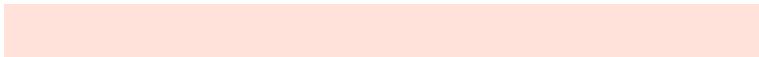
88.7721, 0.2950, 0.3625



88.7721, 0.2618, 0.3179



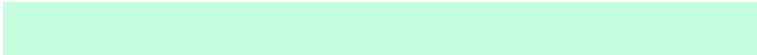
88.7721, 0.3290, 0.2986



88.7721, 0.3663, 0.3362

Sweetspot

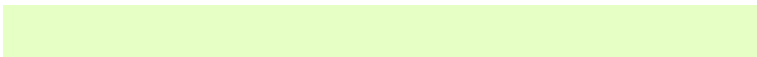
The Sweet Spot groups the original color and five complimentary colors.



88.7729, 0.2950, 0.3625



96.1719, 0.3072, 0.3384



92.1916, 0.3299, 0.3893



20.5175, 0.3067, 0.3393



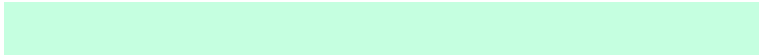
0.0000, 0.0000, 0.0000



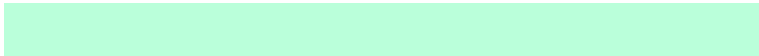
21.4041, 0.3127, 0.3290

Same Dimension

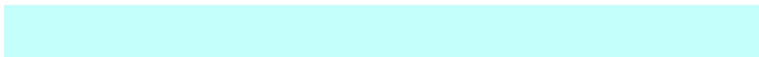
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7729, 0.2950, 0.3625



87.0531, 0.2919, 0.3697



90.4235, 0.2804, 0.3320



20.3091, 0.3052, 0.3420



38.0950, 0.2757, 0.5123



3.7310, 0.2696, 0.4907

Inverse Universe

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



66.7866, 0.3353, 0.2978



61.7632, 0.3407, 0.2917



65.3529, 0.3574, 0.3261



18.1492, 0.3210, 0.3164



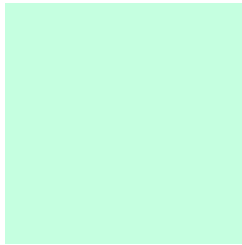
12.0696, 0.4821, 0.2430



1.1973, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 88.7721, 0.2950, 0.3625 looks on a white background.

Color Contrast Check

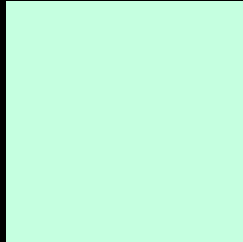
Large Text (above 18pt) WCAG AA × Fail

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 88.7721, 0.2950, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

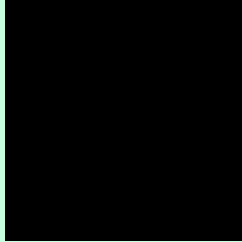
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

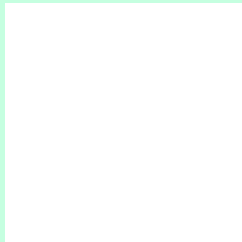
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7721, 0.2950, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 88.7721, 0.2950, 0.3625.

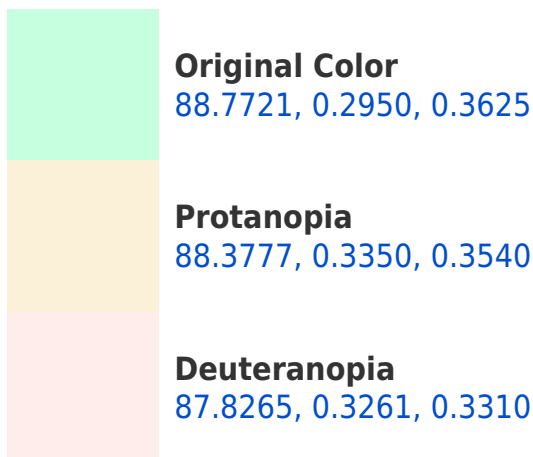


This preview shows how white text looks on a background with the Yxy color 88.7721, 0.2950, 0.3625.

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

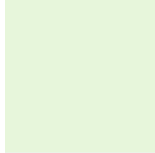
88.5324, 0.2944, 0.3188

Trichromacy



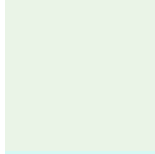
Original Color

88.7721, 0.2950, 0.3625



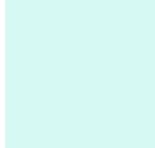
Protanomaly

88.0149, 0.3192, 0.3570



Deuteranomaly

87.9633, 0.3140, 0.3423



Tritanomaly

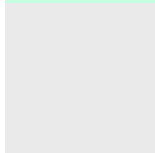
88.7301, 0.2946, 0.3341

Monochromacy



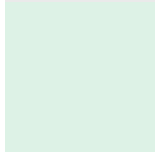
Original Color

88.7721, 0.2950, 0.3625



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5896, 0.3063, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7721, 0.2950, 0.3625 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(197, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 224)  
}
```

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(197, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 88.7721, 0.2950, 0.3625 is called "border". The border property can be set on classes, ids or directly on the HTML element.

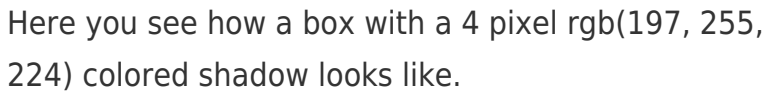
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 224) }
```

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

```
.border{ border-color:rgb(197, 255, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7721, 0.2950, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 224) }
```

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

```
.background{ background-color: rgb(197,  
255, 224) }
```

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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