

Converting Colors

$Y_{xy}(100.0000, 0.2961, 0.3769)$

Have a look what the booklet for
Yxy(100.0000, 0.2961, 0.3769)
contains.

Yxy(89.2903, 0.2957, 0.3602)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.2903, 0.2957, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFE2
RGB	200, 255, 226
RGB Percent	78%, 100%, 89%
CMY	0.2157, 0.0000, 0.1138
CMYK	0.22, 0.00, 0.11, 0.00
HSL	148°, 100%, 89%
HSV	148°, 22%, 100%
XYZ	73.3013, 89.2903, 85.2993
YIQ	235.2490, -23.4710, -20.6790

Conversions

Conversions Part 2

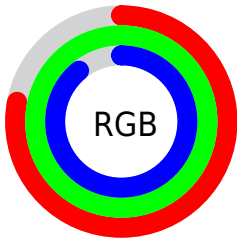
Format	Color
R_{YB}	200, 237, 255
Decimal	13172706
CIE _{Lab}	95.70, -22.95, 8.22
CIE _{LCh}	96, 24.377, 160.297
Yxy	89.2903, 0.2957, 0.3602
Android (android.graphics.Color)	4291362786 (0xFFC8FFE2)
YUV	235.2490, -4.5598, -30.9134
Hunter-Lab	94.4935, -26.8962, 12.6244

Details

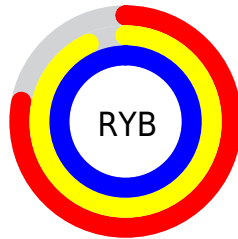
The Yxy color **89.2903, 0.2957, 0.3602** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.2234, 0.3341, 0.2998**, and the grayscale version is **83.3208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3482, 0.2915, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **85.3546, 0.2885, 0.3772**, and if you desaturate by 10%, it is **93.8641, 0.3035, 0.3448**.

Distribution



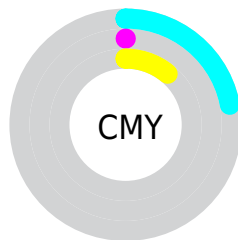
- Red (78%)
- Green (100%)
- Blue (89%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2903, 0.2957, 0.3602 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 89.2903, 0.2957, 0.3602 by changing the saturation by 10% instead.


 89.2903, 0.2957,
0.3602

 89.2903, 0.2957,
0.3602


525.7195, 0.3035,
0.3459

 67.3922, 0.2940,
0.3634


146.3522, 0.2984,
0.3553

 49.4034, 0.2918,
0.3674


182.2848, 0.2994,
0.3534

 34.9396, 0.2891,
0.3723


223.6642, 0.3003,
0.3517

 23.6163, 0.2856,
0.3788

270.8751, 0.3011,
0.3503

 15.0493, 0.2810,
0.3875

324.3016, 0.3018,
0.3490

 8.8540, 0.2743,
0.3999

384.3283, 0.3024,

 4.6461, 0.2643,

0.3479

0.4189

451.3394, 0.3030,
0.3469

■ 2.0411, 0.2471,
0.4514

■ 0.6312, 0.0507,
0.8055

■ 89.2903, 0.2957,
0.3602

■ 89.2903, 0.2957,
0.3602

■ 85.3546, 0.2885,
0.3772

■ 93.8641, 0.3035,
0.3448


■ 82.0348, 0.2820,
0.3957


■ 99.1123, 0.3115,
0.3310


■ 79.2953, 0.2767,
0.4155


■ 100.0000, 0.3127,
0.3290

■ 77.1001, 0.2730,
0.4361

 75.4088, 0.2710,
0.4571

 74.1753, 0.2710,
0.4779

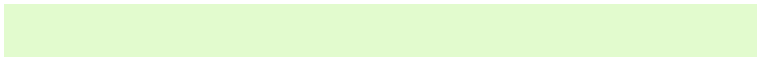
 73.3443, 0.2730,
0.4977

 72.8863, 0.2759,
0.5134

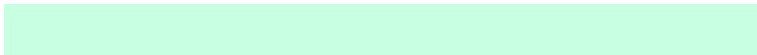
Harmonies

Analogous

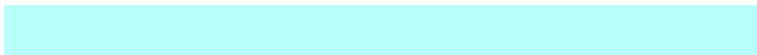
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2903, 0.3230, 0.3755



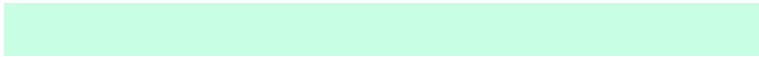
89.2903, 0.2957, 0.3602



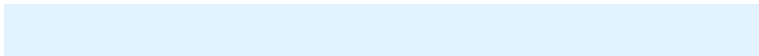
89.2903, 0.2736, 0.3356

Triad

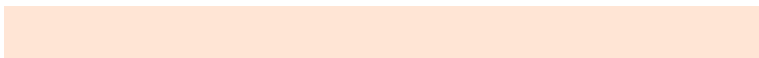
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2903, 0.2957, 0.3602



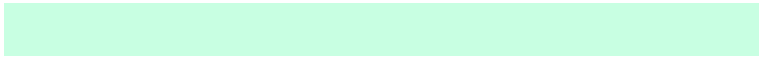
89.2903, 0.2770, 0.2837



89.2903, 0.3662, 0.3439

Complementary

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



89.2903, 0.2957, 0.3602



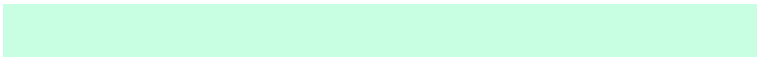
68.2234, 0.3341, 0.2998

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.



89.2903, 0.3529, 0.3209



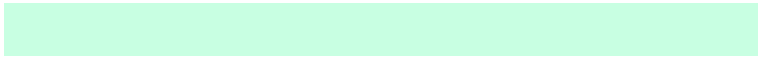
89.2903, 0.2957, 0.3602



89.2903, 0.3006, 0.2871

Square

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



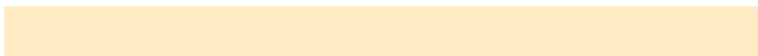
89.2903, 0.2957, 0.3602



89.2903, 0.2632, 0.2916



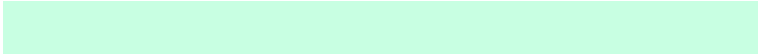
89.2903, 0.3285, 0.3006



89.2903, 0.3644, 0.3644

Rectangle

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



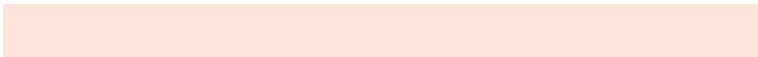
89.2903, 0.2957, 0.3602



89.2903, 0.2645, 0.3182



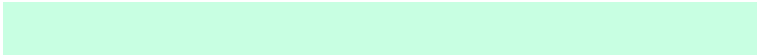
89.2903, 0.3285, 0.3006



89.2903, 0.3634, 0.3363

Sweetspot

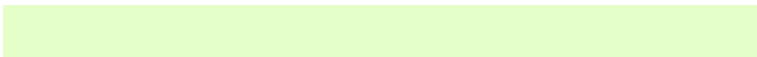
The Sweet Spot groups the original color and five complimentary colors.



89.2876, 0.2957, 0.3602



96.7036, 0.3079, 0.3369



92.4021, 0.3284, 0.3861



20.6250, 0.3074, 0.3378



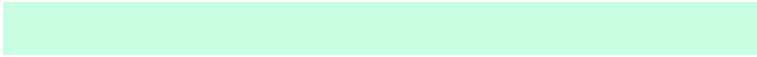
0.0000, 0.0000, 0.0000



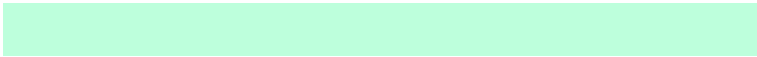
21.4041, 0.3127, 0.3290

Same Dimension

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



89.2876, 0.2957, 0.3602



87.4683, 0.2924, 0.3675



90.9008, 0.2814, 0.3308



20.3110, 0.3051, 0.3418



38.1143, 0.2751, 0.5104



3.7329, 0.2691, 0.4889

Inverse Universe

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



68.2234, 0.3341, 0.2998



62.8913, 0.3397, 0.2935



66.8210, 0.3552, 0.3272



18.1473, 0.3211, 0.3165



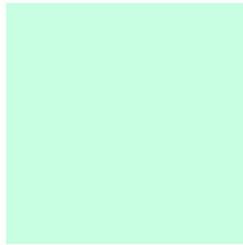
12.0471, 0.4847, 0.2444



1.1951, 0.4608, 0.2312

Previews

White Background



This preview shows how the Yxy color 89.2903, 0.2957, 0.3602 looks on a white background.

Color Contrast Check

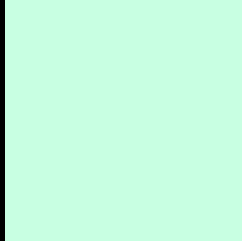
Large Text (above 18pt) WCAG AA × Fail

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 89.2903, 0.2957, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

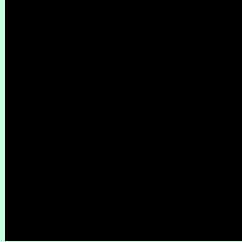
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

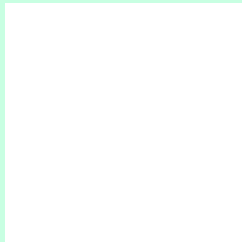
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2903, 0.2957, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 89.2903, 0.2957, 0.3602.

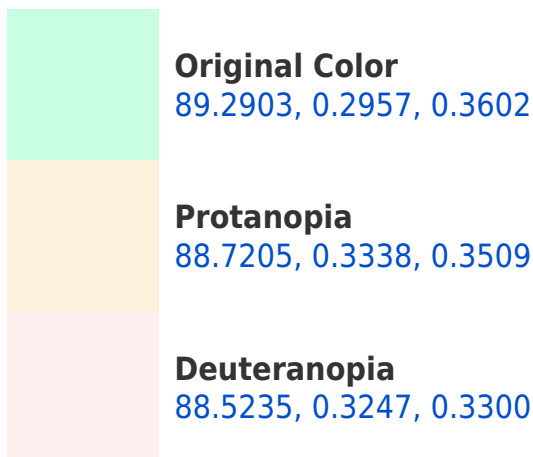


This preview shows how white text looks on a background with the Yxy color 89.2903, 0.2957, 0.3602.

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

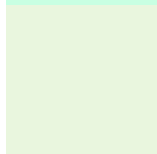
88.8557, 0.2956, 0.3189

Trichromacy



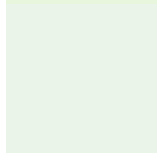
Original Color

89.2903, 0.2957, 0.3602



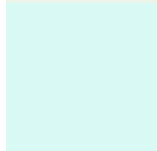
Protanomaly

88.5091, 0.3187, 0.3537



Deuteranomaly

88.2467, 0.3135, 0.3402



Tritanomaly

89.0347, 0.2958, 0.3341

Monochromacy



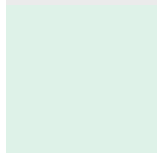
Original Color

89.2903, 0.2957, 0.3602



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8601, 0.3058, 0.3394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2903, 0.2957, 0.3602 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(200, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 89.2903, 0.2957, 0.3602 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(200, 255, 226) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2903, 0.2957, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 226) }
```

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

```
.background{ background-color: rgb(200,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor