

Converting Colors

$Yxy(89.6663, 0.2901, 0.3499)$

Have a look what the booklet for
Yxy(89.6663, 0.2901, 0.3499)
contains.

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Color

Yxy(89.6603, 0.2903, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFE8
RGB	199, 255, 235
RGB Percent	78%, 100%, 92%
CMY	0.2197, 0.0000, 0.0784
CMYK	0.22, 0.00, 0.08, 0.00
HSL	159°, 100%, 89%
HSV	159°, 22%, 100%
XYZ	74.3031, 89.6603, 91.9895
YIQ	235.9760, -26.9560, -18.0920

Conversions

Conversions Part 2

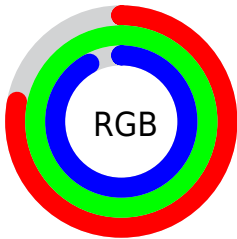
Format	Color
R _Y B	199, 233, 255
Decimal	13107179
CIE Lab	95.86, -21.53, 3.78
CIE LCh	96, 21.864, 170.032
Yxy	89.6603, 0.2903, 0.3503
Android (android.graphics.Color)	4291297259 (0xFFC7FFEB)
YUV	235.9760, -0.4812, -32.4280
Hunter-Lab	94.6891, -25.6359, 8.6828

Details

The Yxy color **89.6603, 0.2903, 0.3503** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2071, 0.3419, 0.3087**, and the grayscale version is **83.8737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5721, 0.2855, 0.3553** is the 20% darker color. If you saturate the color by 10%, you get **85.9440, 0.2811, 0.3616**, and if you desaturate by 10%, it is **93.9810, 0.3002, 0.3400**.

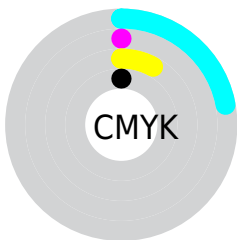
Distribution



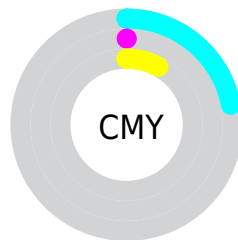
- Red (78%)
- Green (100%)
- Blue (92%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6603, 0.2903, 0.3503 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 89.6603, 0.2903, 0.3503 by changing the saturation by 10% instead.


 89.6603, 0.2903,
0.3503

 89.6603, 0.2903,
0.3503


526.9252, 0.3004,
0.3407

 67.6989, 0.2881,
0.3524

146.8664, 0.2937,
0.3470

 49.6528, 0.2854,
0.3551


182.8800, 0.2951,
0.3457

 35.1376, 0.2820,
0.3584


224.3464, 0.2962,
0.3446

 23.7689, 0.2776,
0.3626

271.6501, 0.2973,
0.3436

 15.1623, 0.2719,
0.3683

325.1754, 0.2982,
0.3427

 8.9334, 0.2639,
0.3763

385.3068, 0.2990,

 4.6977, 0.2520,

0.3420

0.3883

452.4286, 0.2997,
0.3413

■ 2.0710, 0.2327,
0.4084

■ 0.6483, 0.0767,
0.5494

■ 89.6603, 0.2903,
0.3503

■ 89.6603, 0.2903,
0.3503

■ 85.9440, 0.2811,
0.3616

■ 93.9810, 0.3002,
0.3400

■ 82.8129, 0.2729,
0.3737

■ 98.9439, 0.3106,
0.3307

■ 80.2316, 0.2660,
0.3867

■ 100.0000, 0.3127,
0.3290

■ 78.1650, 0.2609,
0.4002

■ 76.5735, 0.2576,
0.4141

■ 75.4119, 0.2564,
0.4281

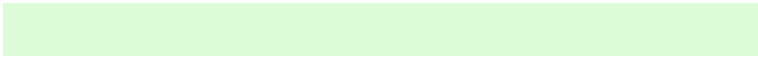
■ 74.6255, 0.2572,
0.4419

■ 74.2002, 0.2591,
0.4528

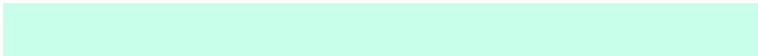
Harmonies

Analogous

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



89.6603, 0.3140, 0.3673



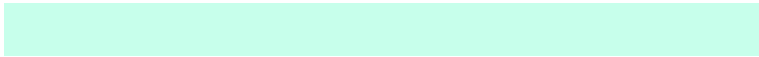
89.6603, 0.2903, 0.3503



89.6603, 0.2730, 0.3274

Triad

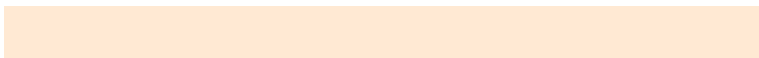
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6603, 0.2903, 0.3503



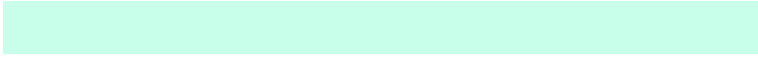
89.6603, 0.2868, 0.2881



89.6603, 0.3616, 0.3490

Complementary

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



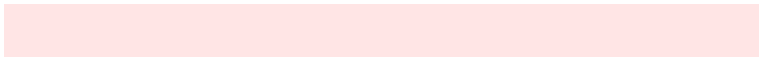
89.6603, 0.2903, 0.3503



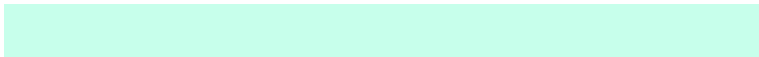
67.2071, 0.3419, 0.3087

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.



89.6603, 0.3539, 0.3285



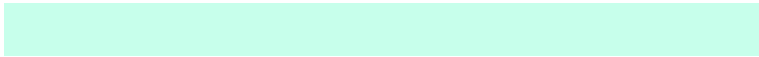
89.6603, 0.2903, 0.3503



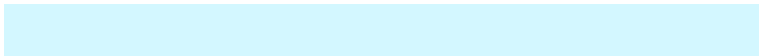
89.6603, 0.3099, 0.2943

Square

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



89.6603, 0.2903, 0.3503



89.6603, 0.2711, 0.2921



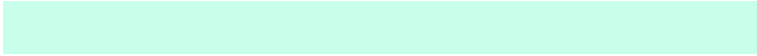
89.6603, 0.3347, 0.3089



89.6603, 0.3556, 0.3655

Rectangle

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



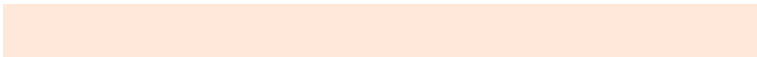
89.6603, 0.2903, 0.3503



89.6603, 0.2672, 0.3125



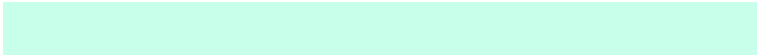
89.6603, 0.3347, 0.3089



89.6603, 0.3605, 0.3424

Sweetspot

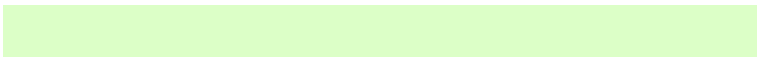
The Sweet Spot groups the original color and five complimentary colors.



89.6568, 0.2903, 0.3503



96.3668, 0.3054, 0.3353



90.7825, 0.3227, 0.3883



20.5626, 0.3047, 0.3358



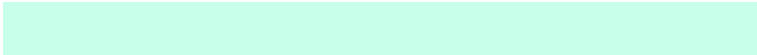
0.0000, 0.0000, 0.0000



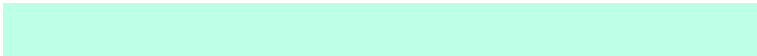
21.4041, 0.3127, 0.3290

Same Dimension

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



89.6568, 0.2903, 0.3503



88.0892, 0.2865, 0.3547



86.2044, 0.2794, 0.3210



20.3649, 0.3028, 0.3376



38.8007, 0.2585, 0.4506



3.7987, 0.2542, 0.4350

Inverse Universe

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



67.2071, 0.3419, 0.3087



62.2980, 0.3488, 0.3048



69.7385, 0.3561, 0.3368



18.0942, 0.3238, 0.3205



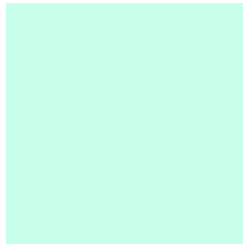
11.5293, 0.5556, 0.2835



1.1425, 0.5243, 0.2662

Previews

White Background



This preview shows how the Yxy color 89.6603, 0.2903, 0.3503 looks on a white background.

Color Contrast Check

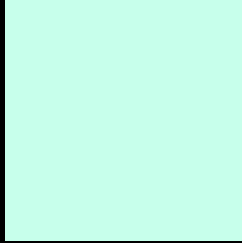
Large Text (above 18pt) WCAG AA × Fail

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 89.6603, 0.2903, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

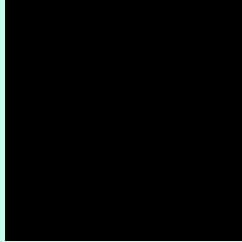
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

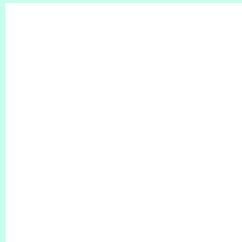
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6603, 0.2903, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 89.6603, 0.2903, 0.3503.

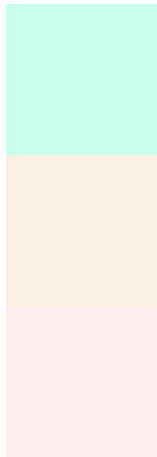


This preview shows how white text looks on a background with the Yxy color 89.6603, 0.2903, 0.3503.

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

89.6603, 0.2903, 0.3503

Protanopia

88.8360, 0.3267, 0.3420

Deuteranopia

89.3439, 0.3221, 0.3271



Tritanopia

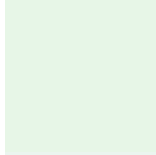
89.4624, 0.2957, 0.3199

Trichromacy



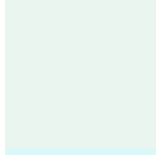
Original Color

89.6603, 0.2903, 0.3503



Protanomaly

88.6700, 0.3120, 0.3444



Deuteranomaly

89.1990, 0.3099, 0.3351



Tritanomaly

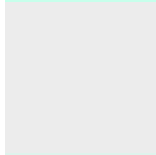
89.2804, 0.2936, 0.3300

Monochromacy



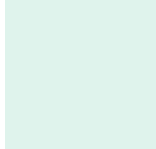
Original Color

89.6603, 0.2903, 0.3503



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8453, 0.3040, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6603, 0.2903, 0.3503 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(199, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 235)  
}
```

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(199, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 89.6603, 0.2903, 0.3503 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(199, 255, 235) }
```

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

```
.border{ border-color:rgb(199, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6603, 0.2903, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 235) }
```

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

```
.background{ background-color: rgb(199,  
255, 235) }
```

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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