

Converting Colors

$Yxy(89.9979, 0.2896, 0.3472)$

Have a look what the booklet for
Yxy(89.9979, 0.2896, 0.3472)
contains.

Yxy(89.9724, 0.2893, 0.3470)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.9724, 0.2893, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFEE
RGB	200, 255, 238
RGB Percent	78%, 100%, 93%
CMY	0.2157, 0.0000, 0.0667
CMYK	0.22, 0.00, 0.07, 0.00
HSL	161°, 100%, 89%
HSV	161°, 22%, 100%
XYZ	75.0116, 89.9724, 94.3025
YIQ	236.6170, -27.3230, -16.9470

Conversions

Conversions Part 2

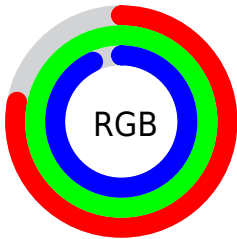
Format	Color
R_{YB}	200, 233, 255
Decimal	13172718
CIE _{Lab}	95.99, -20.63, 2.44
CIE _{LCh}	96, 20.777, 173.265
Yxy	89.9724, 0.2893, 0.3470
Android (android.graphics.Color)	4291362798 (0xFFC8FFEE)
YUV	236.6170, 0.6818, -32.1131
Hunter-Lab	94.8538, -24.8341, 7.4522

Details

The Yxy color **89.9724, 0.2893, 0.3470** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5779, 0.3433, 0.3118**, and the grayscale version is **84.3882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7853, 0.2842, 0.3510** is the 20% darker color. If you saturate the color by 10%, you get **86.2962, 0.2795, 0.3566**, and if you desaturate by 10%, it is **94.2546, 0.2999, 0.3382**.

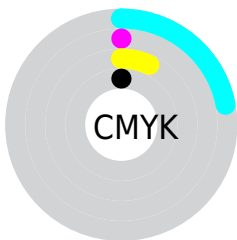
Distribution



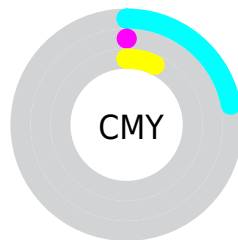
- Red (78%)
- Green (100%)
- Blue (93%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9724, 0.2893, 0.3470 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 89.9724, 0.2893, 0.3470 by changing the saturation by 10% instead.


 89.9724, 0.2893,
0.3470

 89.9724, 0.2893,
0.3470

527.9411, 0.2998,
0.3389

 67.9578, 0.2870,
0.3488

147.3001, 0.2929,
0.3442

 49.8634, 0.2842,
0.3510

183.3819, 0.2943,
0.3431

 35.3048, 0.2807,
0.3537


224.9215, 0.2955,
0.3422

 23.8978, 0.2762,
0.3573

272.3034, 0.2966,
0.3414

 15.2578, 0.2703,
0.3619

325.9119, 0.2975,
0.3407

 9.0005, 0.2621,
0.3685

386.1314, 0.2983,

 4.7415, 0.2500,

0.3400

0.3783

453.3463, 0.2991,
0.3394

2.0964, 0.2305,
0.3944

0.6626, 0.0941,
0.4946

89.9724, 0.2893,
0.3470

89.9724, 0.2893,
0.3470

86.2962, 0.2795,
0.3566

94.2546, 0.2999,
0.3382


83.1964, 0.2708,
0.3670

99.1698, 0.3110,
0.3302

80.6414, 0.2634,
0.3781

100.0000, 0.3127,
0.3290

78.5963, 0.2578,
0.3896

 77.0220, 0.2540,
0.4015

 75.8736, 0.2523,
0.4135

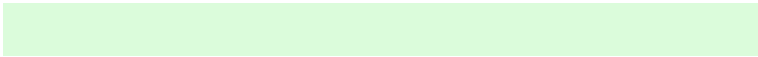
 75.0972, 0.2527,
0.4253

 74.6623, 0.2542,
0.4352

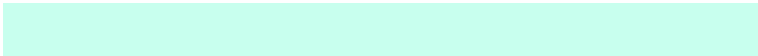
Harmonies

Analogous

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



89.9724, 0.3114, 0.3640



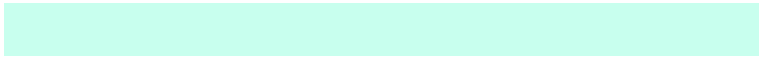
89.9724, 0.2893, 0.3470



89.9724, 0.2738, 0.3251

Triad

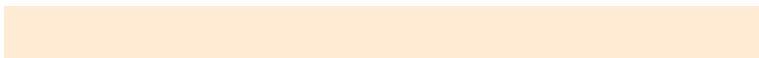
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9724, 0.2893, 0.3470



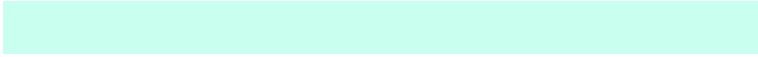
89.9724, 0.2903, 0.2903



89.9724, 0.3591, 0.3501

Complementary

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



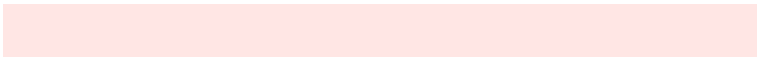
89.9724, 0.2893, 0.3470



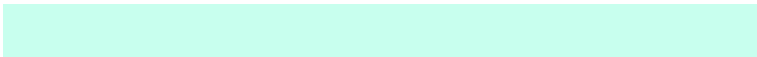
67.5779, 0.3433, 0.3118

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.



89.9724, 0.3531, 0.3307



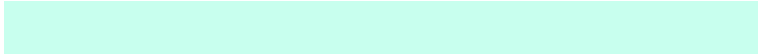
89.9724, 0.2893, 0.3470



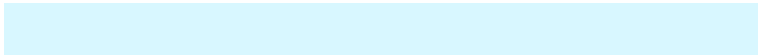
89.9724, 0.3127, 0.2972

Square

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



89.9724, 0.2893, 0.3470



89.9724, 0.2743, 0.2930



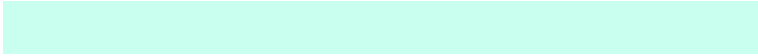
89.9724, 0.3359, 0.3117



89.9724, 0.3521, 0.3649

Rectangle

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



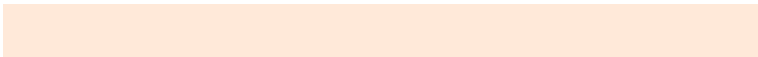
89.9724, 0.2893, 0.3470



89.9724, 0.2690, 0.3114



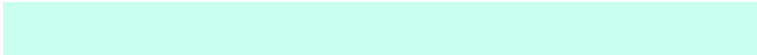
89.9724, 0.3359, 0.3117



89.9724, 0.3586, 0.3439

Sweetspot

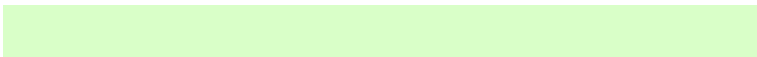
The Sweet Spot groups the original color and five complimentary colors.



89.9725, 0.2893, 0.3470



96.9120, 0.3060, 0.3336



90.5057, 0.3207, 0.3874



20.6742, 0.3053, 0.3341



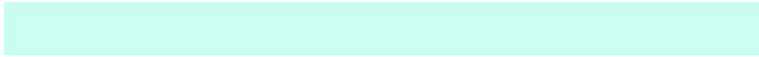
0.0000, 0.0000, 0.0000



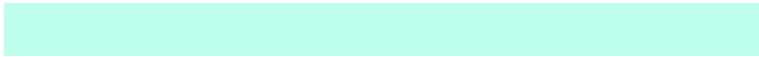
21.4041, 0.3127, 0.3290

Same Dimension

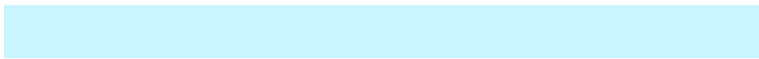
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9725, 0.2893, 0.3470



88.2704, 0.2848, 0.3512



84.7536, 0.2798, 0.3183



20.3803, 0.3021, 0.3365



39.0407, 0.2537, 0.4332



3.8209, 0.2500, 0.4198

Inverse Universe

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



67.5779, 0.3433, 0.3118



62.1391, 0.3515, 0.3080



71.5642, 0.3545, 0.3395



18.0795, 0.3245, 0.3217



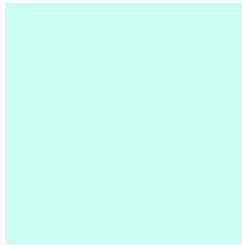
11.4257, 0.5736, 0.2934



1.1311, 0.5416, 0.2757

Previews

White Background



This preview shows how the Yxy color 89.9724, 0.2893, 0.3470 looks on a white background.

Color Contrast Check

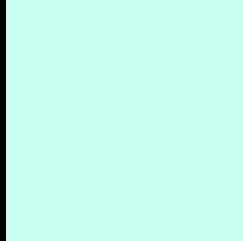
Large Text (above 18pt) WCAG AA × Fail

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 89.9724, 0.2893, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

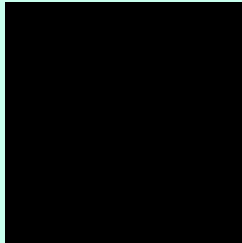
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

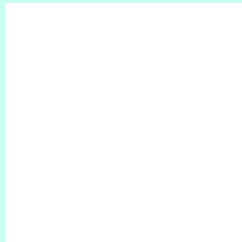
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9724, 0.2893, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 89.9724, 0.2893, 0.3470.

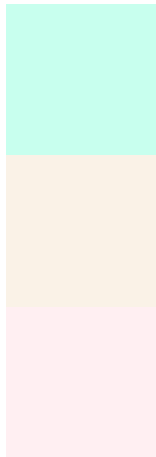


This preview shows how white text looks on a background with the Yxy color 89.9724, 0.2893, 0.3470.

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

89.9724, 0.2893, 0.3470

Protanopia

89.5978, 0.3248, 0.3399

Deuteranopia

89.4038, 0.3215, 0.3261



Tritanopia

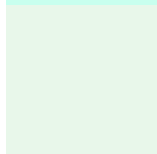
89.6255, 0.2963, 0.3199

Trichromacy



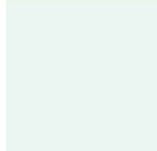
Original Color

89.9724, 0.2893, 0.3470



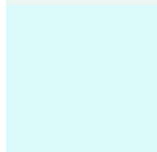
Protanomaly

89.6178, 0.3108, 0.3422



Deuteranomaly

89.3179, 0.3087, 0.3330



Tritanomaly

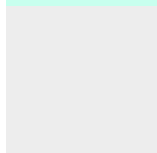
89.4963, 0.2936, 0.3289

Monochromacy



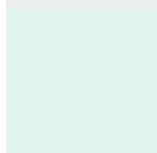
Original Color

89.9724, 0.2893, 0.3470



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6631, 0.3041, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9724, 0.2893, 0.3470 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 89.9724, 0.2893, 0.3470 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, 238) }
```

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

```
.border{ border-color:rgb(200, 255, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9724, 0.2893, 0.3470 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, 238) }
```

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

```
.background{ background-color: rgb(200,  
255, 238) }
```

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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