

Converting Colors

$Y_{xy}(100.0000, 0.2915, 0.3615)$

Have a look what the booklet for
Yxy(100.0000, 0.2915, 0.3615)
contains.

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Color

Yxy(90.3896, 0.2910, 0.3469)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFEE
RGB	203, 255, 238
RGB Percent	80%, 100%, 93%
CMY	0.2039, 0.0000, 0.0666
CMYK	0.20, 0.00, 0.07, 0.00
HSL	160°, 100%, 90%
HSV	160°, 20%, 100%
XYZ	75.8241, 90.3896, 94.3502
YIQ	237.5140, -25.5350, -16.3110

Conversions

Conversions Part 2

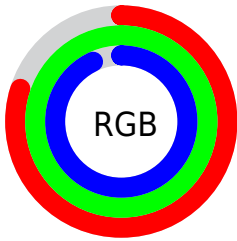
Format	Color
R_{YB}	203, 234, 255
Decimal	13369326
CIE Lab	96.16, -19.72, 2.70
CIE LCh	96, 19.901, 172.195
Yxy	90.3896, 0.2910, 0.3469
Android (android.graphics.Color)	4291559406 (0xFFCBBFEE)
YUV	237.5140, 0.2396, -30.2688
Hunter-Lab	95.0734, -24.0191, 7.7125

Details

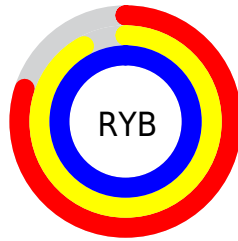
The Yxy color **90.3896, 0.2910, 0.3469** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1427, 0.3406, 0.3118**, and the grayscale version is **85.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0615, 0.2863, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **86.6224, 0.2813, 0.3570**, and if you desaturate by 10%, it is **94.7723, 0.3014, 0.3377**.

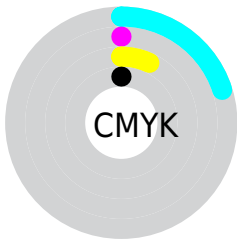
Distribution



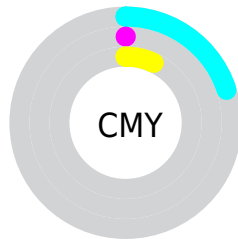
- Red (80%)
- Green (100%)
- Blue (93%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3896, 0.2910, 0.3469 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 90.3896, 0.2910, 0.3469 by changing the saturation by 10% instead.

 90.3896, 0.2910,
0.3469

 90.3896, 0.2910,
0.3469


529.2974, 0.3007,
0.3389

 68.3038, 0.2889,
0.3487


147.8794, 0.2943,
0.3442

 50.1449, 0.2863,
0.3509


184.0523, 0.2956,
0.3431

 35.5286, 0.2830,
0.3536


225.6896, 0.2967,
0.3421

 24.0703, 0.2789,
0.3571

273.1759, 0.2977,
0.3413

 15.3858, 0.2734,
0.3618

326.8953, 0.2986,
0.3406

 9.0906, 0.2658,
0.3683

387.2325, 0.2994,

 4.8003, 0.2546,

0.3399

0.3780

454.5717, 0.3001,
0.3394

■ 2.1306, 0.2364,
0.3942

■ 0.6817, 0.1189,
0.4863

■ 90.3896, 0.2910,
0.3469

■ 90.3896, 0.2910,
0.3469

■ 86.6224, 0.2813,
0.3570

■ 94.7723, 0.3014,
0.3377


■ 83.4356, 0.2726,
0.3680


99.7915, 0.3123,
0.3293

■ 80.7997, 0.2652,
0.3796

100.0000, 0.3127,
0.3290

■ 78.6802, 0.2595,
0.3918

 77.0386, 0.2557,
0.4044

 75.8307, 0.2539,
0.4171

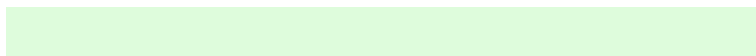
 75.0037, 0.2542,
0.4298

 74.4870, 0.2560,
0.4417

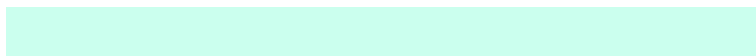
Harmonies

Analogous

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



90.3896, 0.3123, 0.3628



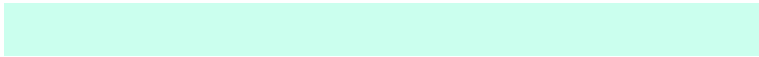
90.3896, 0.2910, 0.3469



90.3896, 0.2758, 0.3261

Triad

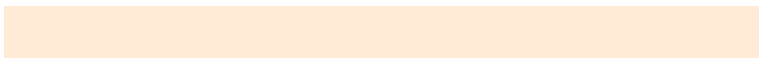
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3896, 0.2910, 0.3469



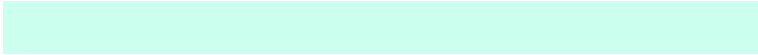
90.3896, 0.2906, 0.2919



90.3896, 0.3571, 0.3486

Complementary

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



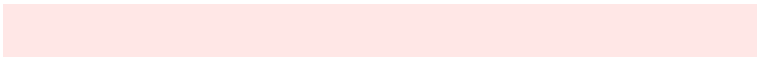
90.3896, 0.2910, 0.3469



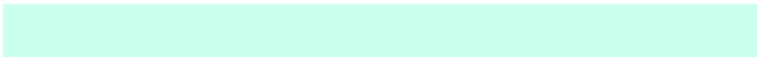
69.1427, 0.3406, 0.3118

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.



90.3896, 0.3509, 0.3300



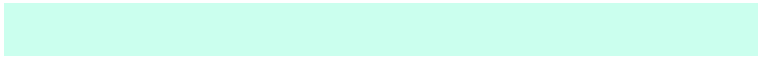
90.3896, 0.2910, 0.3469



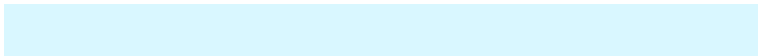
90.3896, 0.3119, 0.2981

Square

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



90.3896, 0.2910, 0.3469



90.3896, 0.2756, 0.2948



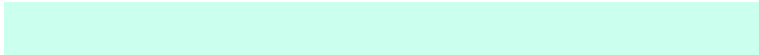
90.3896, 0.3342, 0.3118



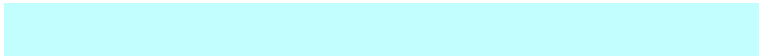
90.3896, 0.3508, 0.3630

Rectangle

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



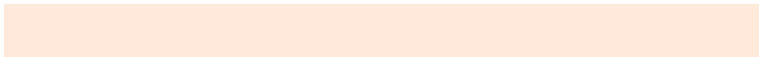
90.3896, 0.2910, 0.3469



90.3896, 0.2709, 0.3128



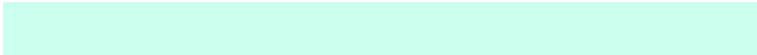
90.3896, 0.3342, 0.3118



90.3896, 0.3564, 0.3427

Sweetspot

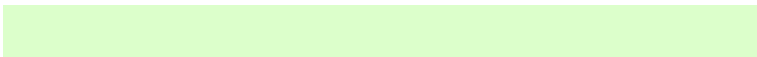
The Sweet Spot groups the original color and five complimentary colors.



90.3916, 0.2910, 0.3469



96.8950, 0.3062, 0.3339



91.1008, 0.3209, 0.3838



20.6702, 0.3054, 0.3344



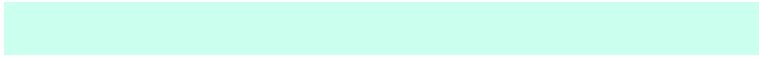
0.0000, 0.0000, 0.0000



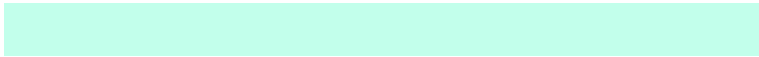
21.4041, 0.3127, 0.3290

Same Dimension

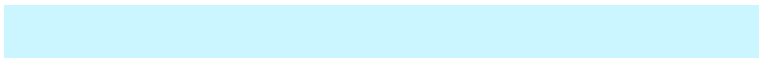
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3916, 0.2910, 0.3469



88.9615, 0.2874, 0.3505



86.0330, 0.2816, 0.3198



20.3746, 0.3024, 0.3369



38.9497, 0.2555, 0.4396



3.8125, 0.2515, 0.4254

Inverse Universe

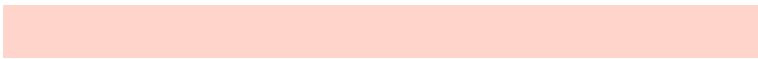
The Inverse Universe completely reimagines the original color for something new.



69.1427, 0.3406, 0.3118



64.5990, 0.3468, 0.3086



72.4961, 0.3519, 0.3380



18.0849, 0.3243, 0.3213



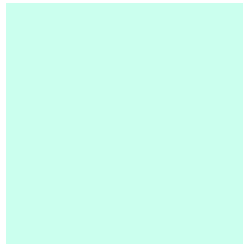
11.4619, 0.5672, 0.2898



1.1351, 0.5353, 0.2722

Previews

White Background



This preview shows how the Yxy color 90.3896, 0.2910, 0.3469 looks on a white background.

Color Contrast Check

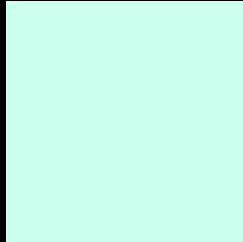
Large Text (above 18pt) WCAG AA × Fail

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 90.3896, 0.2910, 0.3469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

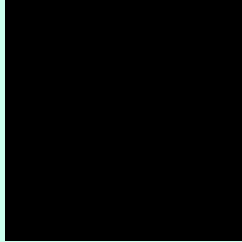
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

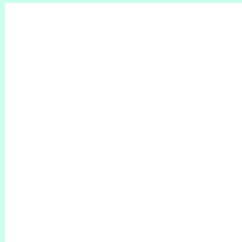
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3896, 0.2910, 0.3469

Background



This preview shows how black text looks on a background with the Yxy color 90.3896, 0.2910, 0.3469.

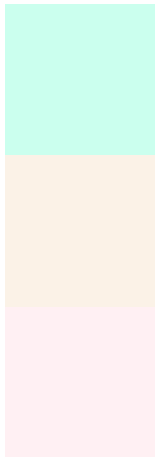


This preview shows how white text looks on a background with the Yxy color 90.3896, 0.2910, 0.3469.

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

90.3896, 0.2910, 0.3469

Protanopia

89.7830, 0.3254, 0.3399

Deuteranopia

90.0512, 0.3208, 0.3261



Tritanopia

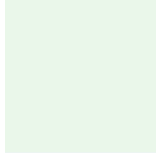
89.9545, 0.2975, 0.3199

Trichromacy



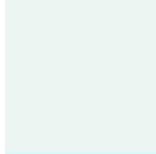
Original Color

90.3896, 0.2910, 0.3469



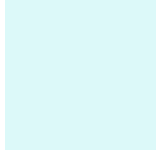
Protanomaly

89.9545, 0.3121, 0.3422



Deuteranomaly

89.4886, 0.3093, 0.3330



Tritanomaly

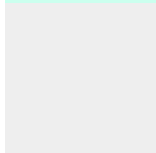
89.8066, 0.2948, 0.3289

Monochromacy



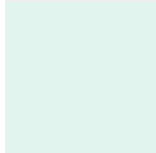
Original Color

90.3896, 0.2910, 0.3469



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.8820, 0.3041, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3896, 0.2910, 0.3469 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(203, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 90.3896, 0.2910, 0.3469 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(203, 255, 238) }
```

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

```
.border{ border-color:rgb(203, 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(203, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3896, 0.2910, 0.3469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 238) }
```

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

```
.background{ background-color: rgb(203,  
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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