

Converting Colors

$Yxy(90.1487, 0.2906, 0.3478)$

Have a look what the booklet for
Yxy(90.1487, 0.2906, 0.3478)
contains.

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Color

Yxy(90.1910, 0.2910, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFED
RGB	202, 255, 237
RGB Percent	79%, 100%, 93%
CMY	0.2076, 0.0000, 0.0706
CMYK	0.21, 0.00, 0.07, 0.00
HSL	160°, 100%, 90%
HSV	160°, 21%, 100%
XYZ	75.4183, 90.1910, 93.5602
YIQ	237.1010, -25.8100, -16.8340

Conversions

Conversions Part 2

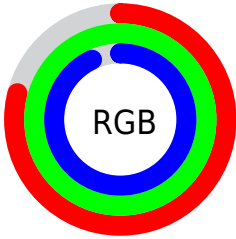
Format	Color
R_{YB}	202, 234, 255
Decimal	13303789
CIE _{Lab}	96.08, -20.19, 3.09
CIE _{LCh}	96, 20.426, 171.287
Yxy	90.1910, 0.2910, 0.3480
Android (android.graphics.Color)	4291493869 (0xFFCAFFED)
YUV	237.1010, -0.0498, -30.7836
Hunter-Lab	94.9689, -24.4422, 8.0677

Details

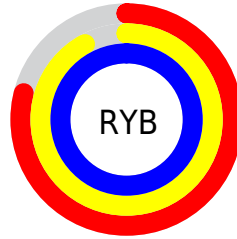
The Yxy color **90.1910, 0.2910, 0.3480** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7034, 0.3407, 0.3108**, and the grayscale version is **84.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9274, 0.2863, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **86.4308, 0.2815, 0.3586**, and if you desaturate by 10%, it is **94.5709, 0.3012, 0.3383**.

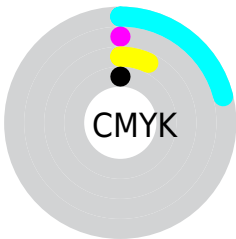
Distribution



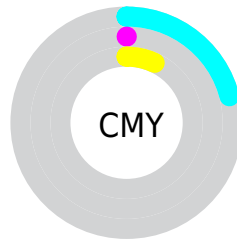
- Red (79%)
- Green (100%)
- Blue (93%)



- Red (79%)
- Yellow (92%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1910, 0.2910, 0.3480 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 90.1910, 0.2910, 0.3480 by changing the saturation by 10% instead.


 90.1910, 0.2910,
0.3480

 90.1910, 0.2910,
0.3480

528.6520, 0.3007,
0.3394

 68.1391, 0.2889,
0.3499

147.6037, 0.2943,
0.3451

 50.0109, 0.2862,
0.3522

183.7332, 0.2956,
0.3439

 35.4220, 0.2830,
0.3551


225.3241, 0.2967,
0.3429

 23.9882, 0.2788,
0.3589

272.7606, 0.2977,
0.3421

 15.3248, 0.2733,
0.3639

326.4273, 0.2986,
0.3413

 9.0477, 0.2657,
0.3709

386.7085, 0.2994,

 4.7723, 0.2544,

0.3406

0.3813

453.9886, 0.3001,
0.3400

■ 2.1143, 0.2360,
0.3987

■ 0.6726, 0.1097,
0.5038

■ 90.1910, 0.2910,
0.3480

■ 90.1910, 0.2910,
0.3480

■ 86.4308, 0.2815,
0.3586

■ 94.5709, 0.3012,
0.3383

■ 83.2500, 0.2730,
0.3700

■ 99.5864, 0.3119,
0.3296


■ 80.6205, 0.2658,
0.3822


■ 99.9930, 0.3127,
0.3290

■ 78.5078, 0.2602,
0.3950

 76.8730, 0.2566,
0.4081

 75.6718, 0.2550,
0.4214

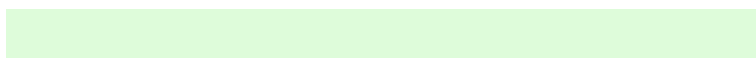
 74.8510, 0.2554,
0.4346

 74.3532, 0.2574,
0.4465

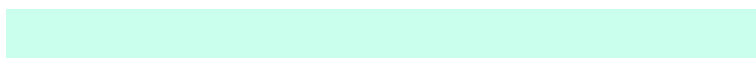
Harmonies

Analogous

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



90.1910, 0.3130, 0.3641



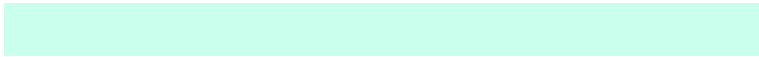
90.1910, 0.2910, 0.3480



90.1910, 0.2752, 0.3266

Triad

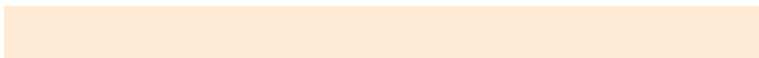
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1910, 0.2910, 0.3480



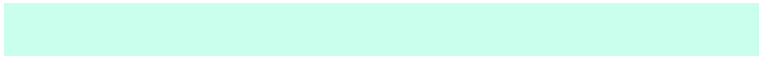
90.1910, 0.2894, 0.2908



90.1910, 0.3583, 0.3486

Complementary

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



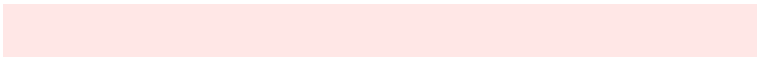
90.1910, 0.2910, 0.3480



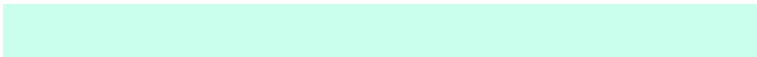
68.7034, 0.3407, 0.3108

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.



90.1910, 0.3516, 0.3294



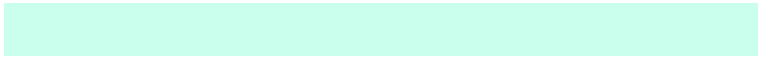
90.1910, 0.2910, 0.3480



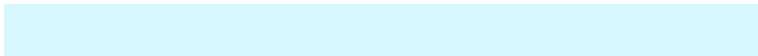
90.1910, 0.3112, 0.2970

Square

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



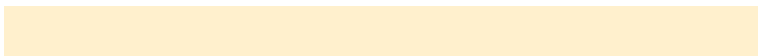
90.1910, 0.2910, 0.3480



90.1910, 0.2743, 0.2942



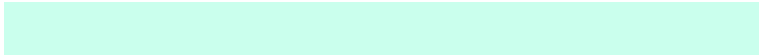
90.1910, 0.3341, 0.3109



90.1910, 0.3522, 0.3635

Rectangle

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



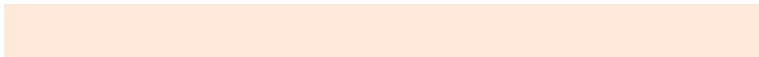
90.1910, 0.2910, 0.3480



90.1910, 0.2700, 0.3129



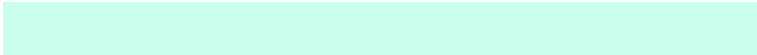
90.1910, 0.3341, 0.3109



90.1910, 0.3575, 0.3424

Sweetspot

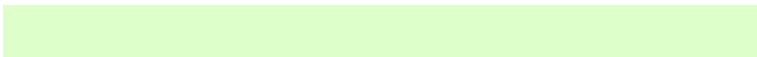
The Sweet Spot groups the original color and five complimentary colors.



90.1947, 0.2910, 0.3480



96.8825, 0.3063, 0.3341



91.0892, 0.3216, 0.3848



20.6672, 0.3056, 0.3347



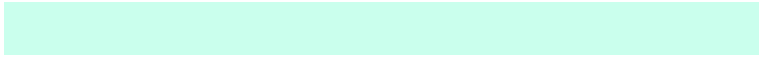
0.0000, 0.0000, 0.0000



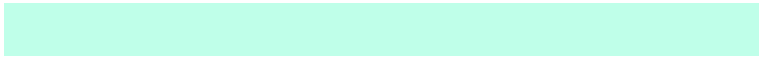
21.4041, 0.3127, 0.3290

Same Dimension

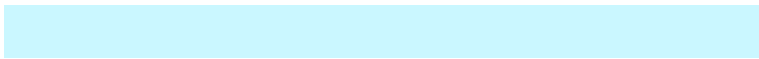
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1947, 0.2910, 0.3480



88.5314, 0.2868, 0.3524



86.3392, 0.2811, 0.3206



20.3704, 0.3026, 0.3372



38.8840, 0.2568, 0.4444



3.8065, 0.2527, 0.4296

Inverse Universe

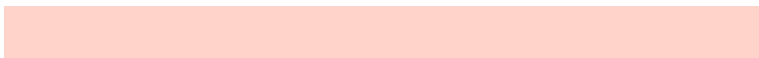
The Inverse Universe completely reimagines the original color for something new.



68.7034, 0.3407, 0.3108



63.4303, 0.3480, 0.3069



71.6241, 0.3529, 0.3373



18.0889, 0.3241, 0.3210



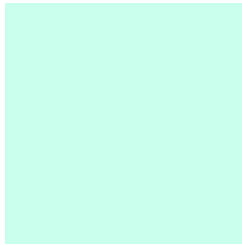
11.4903, 0.5622, 0.2871



1.1383, 0.5305, 0.2696

Previews

White Background



This preview shows how the Yxy color 90.1910, 0.2910, 0.3480 looks on a white background.

Color Contrast Check

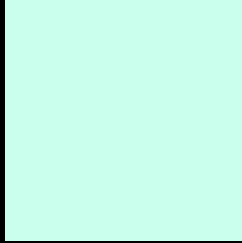
Large Text (above 18pt) WCAG AA × Fail

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 90.1910, 0.2910, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

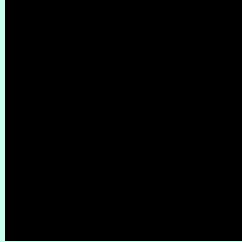
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

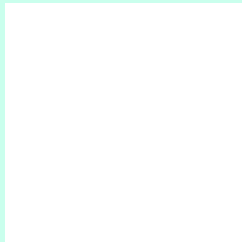
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1910, 0.2910, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 90.1910, 0.2910, 0.3480.

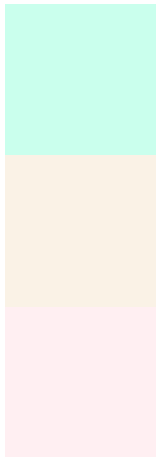


This preview shows how white text looks on a background with the Yxy color 90.1910, 0.2910, 0.3480.

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

90.1910, 0.2910, 0.3480

Protanopia

89.5414, 0.3254, 0.3409

Deuteranopia

89.4038, 0.3215, 0.3261



Tritanopia

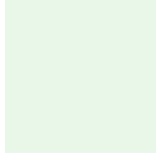
89.7895, 0.2969, 0.3199

Trichromacy



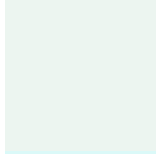
Original Color

90.1910, 0.2910, 0.3480



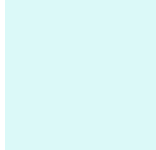
Protanomaly

89.7284, 0.3120, 0.3432



Deuteranomaly

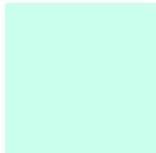
89.4290, 0.3099, 0.3340



Tritanomaly

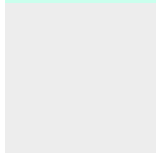
89.5887, 0.2948, 0.3300

Monochromacy



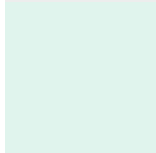
Original Color

90.1910, 0.2910, 0.3480



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 90.1910, 0.2910, 0.3480 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(202, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 237)  
}
```

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(202, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 90.1910, 0.2910, 0.3480 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(202, 255, 237) }
```

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

```
.border{ border-color:rgb(202, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1910, 0.2910, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 237) }
```

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

```
.background{ background-color: rgb(202,  
255, 237) }
```

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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