

Converting Colors

$Y_{xy}(90.2274, 0.2896, 0.3460)$

Have a look what the booklet for
Yxy(90.2274, 0.2896, 0.3460)
contains.

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Color

Yxy(90.1695, 0.2893, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFEF
RGB	201, 255, 239
RGB Percent	79%, 100%, 94%
CMY	0.2120, 0.0000, 0.0627
CMYK	0.21, 0.00, 0.06, 0.00
HSL	162°, 100%, 89%
HSV	162°, 21%, 100%
XYZ	75.4150, 90.1695, 95.0964
YIQ	237.0300, -27.0480, -16.4240

Conversions

Conversions Part 2

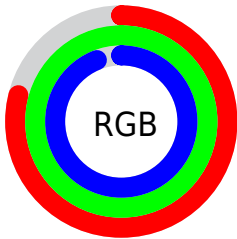
Format	Color
RYB	201, 233, 255
Decimal	13238255
CIELab	96.07, -20.16, 2.04
CIELCh	96, 20.262, 174.211
Yxy	90.1695, 0.2893, 0.3459
Android (android.graphics.Color)	4291428335 (0xFFC9FFEF)
YUV	237.0300, 0.9712, -31.5983
Hunter-Lab	94.9576, -24.4119, 7.0937

Details

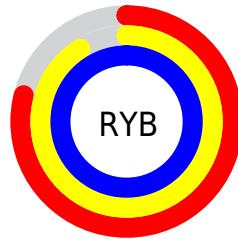
The Yxy color **90.1695, 0.2893, 0.3459** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0094, 0.3432, 0.3128**, and the grayscale version is **84.7049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9181, 0.2843, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **86.4804, 0.2793, 0.3551**, and if you desaturate by 10%, it is **94.4471, 0.3001, 0.3375**.

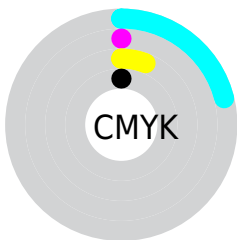
Distribution



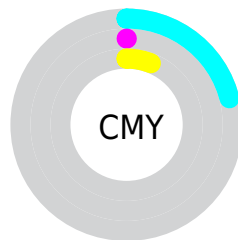
- Red (79%)
- Green (100%)
- Blue (94%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1695, 0.2893, 0.3459 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 90.1695, 0.2893, 0.3459 by changing the saturation by 10% instead.

 90.1695, 0.2893,
0.3459

 90.1695, 0.2893,
0.3459


528.5821, 0.2997,
0.3383

 68.1212, 0.2870,
0.3476

147.5738, 0.2929,
0.3433

 49.9964, 0.2842,
0.3496


183.6987, 0.2943,
0.3423

 35.4105, 0.2807,
0.3522


225.2845, 0.2955,
0.3414

 23.9793, 0.2763,
0.3555

272.7157, 0.2965,
0.3406

 15.3182, 0.2704,
0.3598

326.3766, 0.2975,
0.3400

 9.0430, 0.2622,
0.3659

386.6518, 0.2983,

 4.7693, 0.2503,

0.3394

0.3750

453.9254, 0.2991,
0.3388

■ 2.1125, 0.2309,
0.3899

■ 0.6717, 0.1040,
0.4776

■ 90.1695, 0.2893,
0.3459

■ 90.1695, 0.2893,
0.3459

■ 86.4804, 0.2793,
0.3551

■ 94.4471, 0.3001,
0.3375


■ 83.3756, 0.2704,
0.3650


■ 99.3653, 0.3113,
0.3299

■ 80.8153, 0.2629,
0.3755


■ 100.0000, 0.3127,
0.3290

■ 78.7645, 0.2570,
0.3865

 77.1846, 0.2531,
0.3977

 76.0308, 0.2512,
0.4092

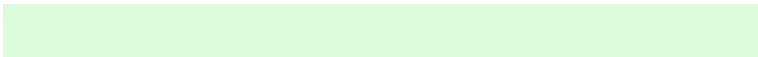
 75.2497, 0.2514,
0.4205

 74.7980, 0.2529,
0.4303

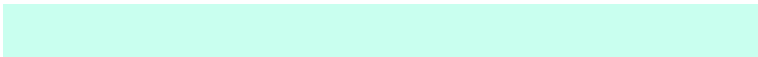
Harmonies

Analogous

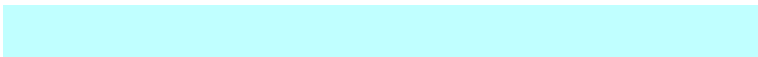
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1695, 0.3107, 0.3627



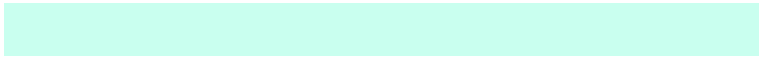
90.1695, 0.2893, 0.3459



90.1695, 0.2744, 0.3246

Triad

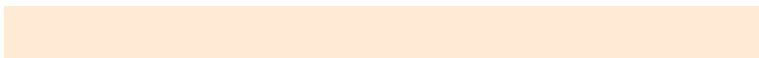
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1695, 0.2893, 0.3459



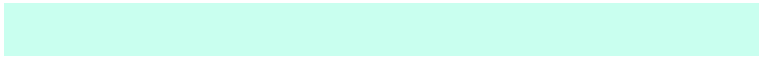
90.1695, 0.2914, 0.2913



90.1695, 0.3579, 0.3501

Complementary

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



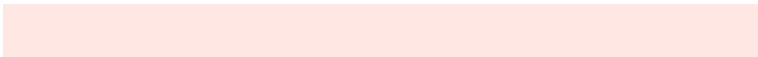
90.1695, 0.2893, 0.3459



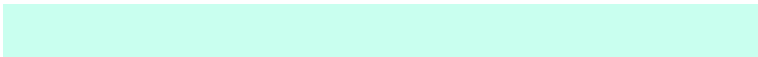
68.0094, 0.3432, 0.3128

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.



90.1695, 0.3525, 0.3313



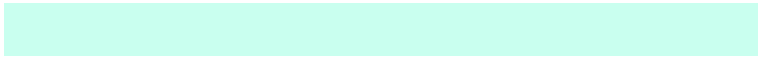
90.1695, 0.2893, 0.3459



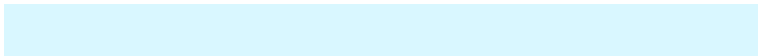
90.1695, 0.3134, 0.2983

Square

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



90.1695, 0.2893, 0.3459



90.1695, 0.2756, 0.2937



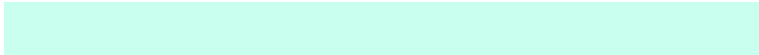
90.1695, 0.3360, 0.3127



90.1695, 0.3507, 0.3643

Rectangle

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



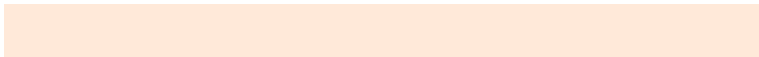
90.1695, 0.2893, 0.3459



90.1695, 0.2699, 0.3112



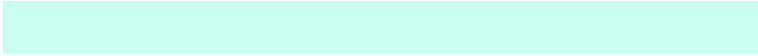
90.1695, 0.3360, 0.3127



90.1695, 0.3575, 0.3441

Sweetspot

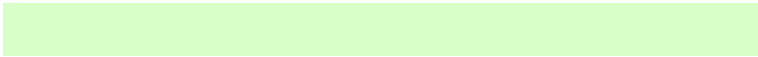
The Sweet Spot groups the original color and five complimentary colors.



90.1612, 0.2893, 0.3459



96.9247, 0.3059, 0.3334



90.5095, 0.3200, 0.3865



20.6773, 0.3052, 0.3339



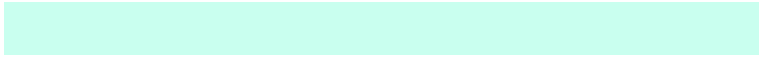
0.0000, 0.0000, 0.0000



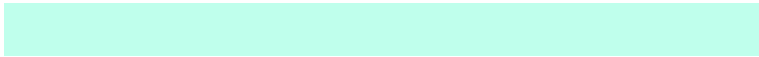
21.4041, 0.3127, 0.3290

Same Dimension

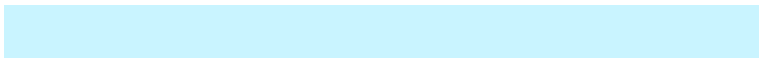
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1612, 0.2893, 0.3459



88.6933, 0.2854, 0.3493



84.4427, 0.2802, 0.3175



20.3845, 0.3020, 0.3361



39.1110, 0.2523, 0.4284



3.8273, 0.2488, 0.4156

Inverse Universe

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



68.0094, 0.3432, 0.3128



63.2892, 0.3502, 0.3097



72.4355, 0.3534, 0.3402



18.0755, 0.3248, 0.3220



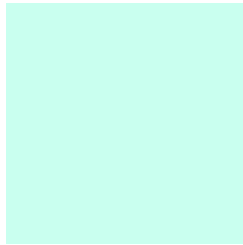
11.3999, 0.5783, 0.2960



1.1282, 0.5463, 0.2783

Previews

White Background



This preview shows how the Yxy color 90.1695, 0.2893, 0.3459 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 90.1695, 0.2893, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

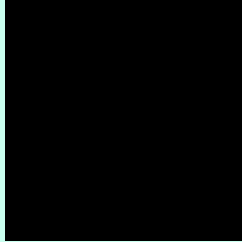
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

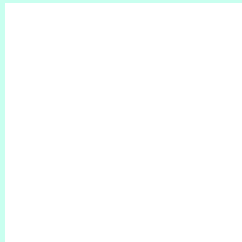
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1695, 0.2893, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 90.1695, 0.2893, 0.3459.

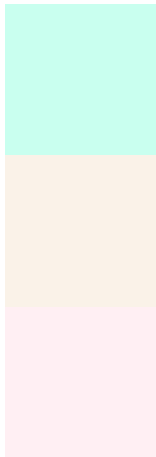


This preview shows how white text looks on a background with the Yxy color 90.1695, 0.2893, 0.3459.

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

90.1695, 0.2893, 0.3459

Protanopia

89.6545, 0.3241, 0.3389

Deuteranopia

89.4641, 0.3208, 0.3251



Tritanopia

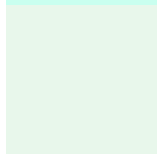
89.7895, 0.2969, 0.3199

Trichromacy



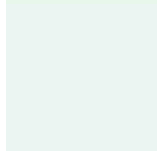
Original Color

90.1695, 0.2893, 0.3459



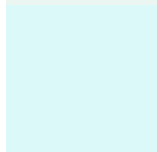
Protanomaly

89.6755, 0.3102, 0.3412



Deuteranomaly

89.3778, 0.3081, 0.3320



Tritanomaly

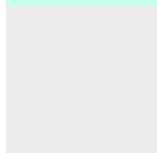
89.6510, 0.2942, 0.3289

Monochromacy



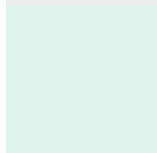
Original Color

90.1695, 0.2893, 0.3459



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7217, 0.3035, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1695, 0.2893, 0.3459 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(201, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 239)  
}
```

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(201, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 90.1695, 0.2893, 0.3459 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(201, 255, 239) }
```

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

```
.border{ border-color:rgb(201, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1695, 0.2893, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 239) }
```

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

```
.background{ background-color: rgb(201,  
255, 239) }
```

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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