

Converting Colors

$Y_{xy}(100.0000, 0.3007, 0.3418)$

Have a look what the booklet for
Yxy(100.0000, 0.3007, 0.3418)
contains.

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Color

Yxy(95.1825, 0.3009, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFF9
RGB	230, 255, 249
RGB Percent	90%, 100%, 98%
CMY	0.0979, 0.0000, 0.0237
CMYK	0.10, 0.00, 0.02, 0.00
HSL	165°, 100%, 95%
HSV	165°, 10%, 100%
XYZ	85.4938, 95.1825, 103.4506
YIQ	246.8410, -12.9740, -7.1660

Conversions

Conversions Part 2

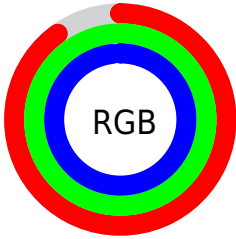
Format	Color
R _Y B	230, 244, 255
Decimal	15138809
CIE Lab	98.11, -9.18, 0.12
CIE LCh	98, 9.186, 179.262
Yxy	95.1825, 0.3009, 0.3350
Android (android.graphics.Color)	4293328889 (0xFFE6FFF9)
YUV	246.8410, 1.0644, -14.7696
Hunter-Lab	97.5615, -14.3120, 5.4242

Details

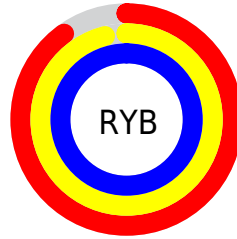
The Yxy color **95.1825, 0.3009, 0.3350** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.9331, 0.3260, 0.3231**, and the grayscale version is **92.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.2371, 0.2978, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **90.8908, 0.2893, 0.3418**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

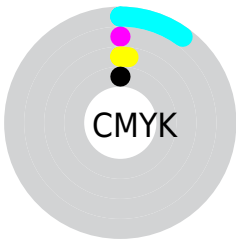
Distribution



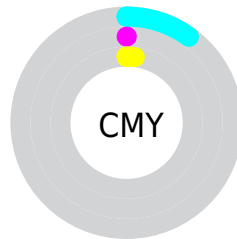
- Red (90%)
- Green (100%)
- Blue (98%)



- Red (90%)
- Yellow (96%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.1825, 0.3009, 0.3350 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 95.1825, 0.3009, 0.3350 by changing the saturation by 10% instead.


 95.1825, 0.3009,
0.3350

 95.1825, 0.3009,
0.3350


544.7491, 0.3061,
0.3324

 72.2869, 0.2998,
0.3356


154.5167, 0.3027,
0.3341

 53.3931, 0.2984,
0.3363

191.7241, 0.3034,
0.3338

 38.1166, 0.2967,
0.3371


234.4708, 0.3040,
0.3334

 26.0732, 0.2945,
0.3382

283.1414, 0.3045,
0.3332

 16.8784, 0.2917,
0.3397

338.1201, 0.3050,
0.3329

 10.1479, 0.2878,
0.3416

399.7913, 0.3054,

 5.4971, 0.2822,

0.3327

0.3445

468.5395, 0.3058,
0.3325

■ 2.5418, 0.2733,
0.3490

■ 0.8975, 0.2520,
0.3597

■ 95.1825, 0.3009,
0.3350

■ 95.1825, 0.3009,
0.3350

■ 90.8908, 0.2893,
0.3418

100.0000, 0.3127,
0.3290

■ 87.1992, 0.2786,
0.3491

■ 84.0819, 0.2690,
0.3570

■ 81.5077, 0.2607,
0.3654

■ 79.4425, 0.2542,
0.3742

■ 77.8482, 0.2496,
0.3832

■ 76.6813, 0.2470,
0.3924

■ 75.8898, 0.2463,
0.4015

■ 75.3911, 0.2474,
0.4105

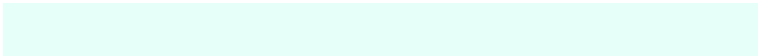
Harmonies

Analogous

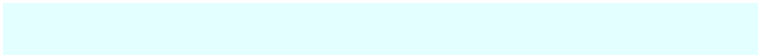
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1825, 0.3103, 0.3427



95.1825, 0.3009, 0.3350



95.1825, 0.2947, 0.3257

Triad

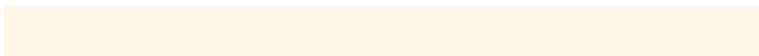
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.1825, 0.3009, 0.3350



95.1825, 0.3048, 0.3121



95.1825, 0.3325, 0.3400

Complementary

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



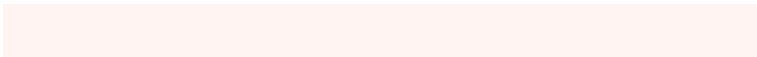
95.1825, 0.3009, 0.3350



83.9331, 0.3260, 0.3231

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.



95.1825, 0.3311, 0.3318



95.1825, 0.3009, 0.3350



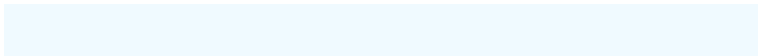
95.1825, 0.3149, 0.3159

Square

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



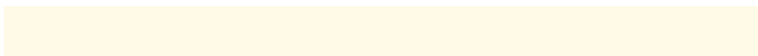
95.1825, 0.3009, 0.3350



95.1825, 0.2970, 0.3127



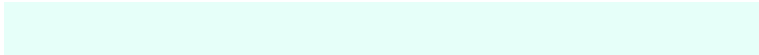
95.1825, 0.3246, 0.3230



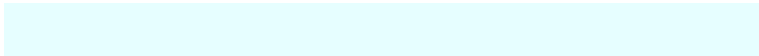
95.1825, 0.3286, 0.3455

Rectangle

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



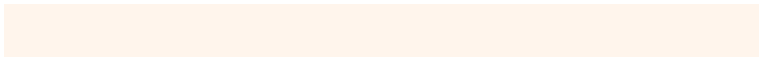
95.1825, 0.3009, 0.3350



95.1825, 0.2932, 0.3200



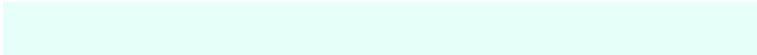
95.1825, 0.3246, 0.3230



95.1825, 0.3327, 0.3375

Sweetspot

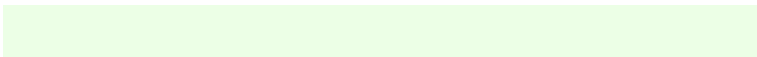
The Sweet Spot groups the original color and five complimentary colors.



95.1854, 0.3009, 0.3350



98.4591, 0.3091, 0.3308



95.1151, 0.3154, 0.3541



20.9883, 0.3081, 0.3313



0.0000, 0.0000, 0.0000



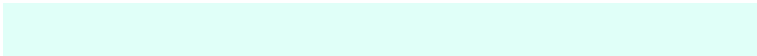
21.4041, 0.3127, 0.3290

Same Dimension

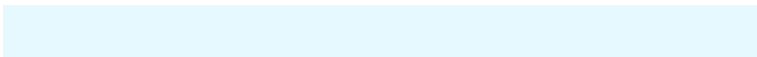
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.1854, 0.3009, 0.3350



94.1833, 0.2983, 0.3364



91.6507, 0.2975, 0.3227



20.4018, 0.3012, 0.3348



39.4134, 0.2470, 0.4092



3.8547, 0.2441, 0.3989

Inverse Universe

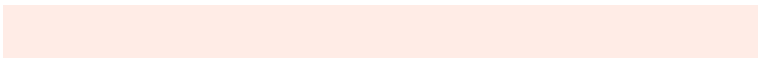
The Inverse Universe completely reimagines the original color for something new.



83.9331, 0.3260, 0.3231



80.6019, 0.3294, 0.3217



87.1247, 0.3293, 0.3352



18.0592, 0.3256, 0.3233



11.3085, 0.5960, 0.3057



1.1174, 0.5647, 0.2885

Previews

White Background



This preview shows how the Yxy color 95.1825, 0.3009, 0.3350 looks on a white background.

Color Contrast Check

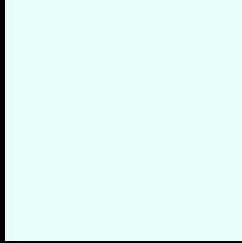
Large Text (above 18pt) WCAG AA × Fail

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 95.1825, 0.3009, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

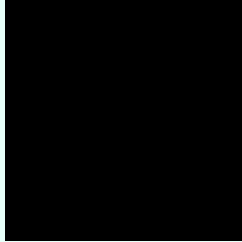
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

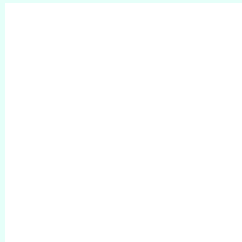
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.1825, 0.3009, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 95.1825, 0.3009, 0.3350.



This preview shows how white text looks on a background with the Yxy color 95.1825, 0.3009, 0.3350.

Color Blindness Simulation

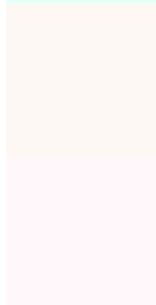
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

95.1825, 0.3009, 0.3350



Protanopia

94.7982, 0.3183, 0.3319

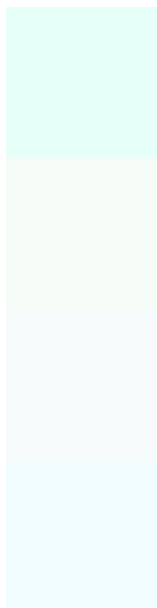
Deuteranopia

94.6837, 0.3160, 0.3261

Tritanopia

95.1840, 0.3073, 0.3241

Trichromacy



Original Color

95.1825, 0.3009, 0.3350

Protanomaly

95.0607, 0.3119, 0.3339

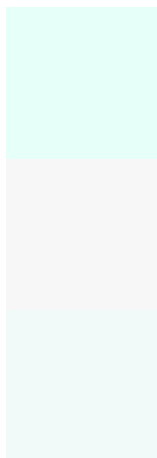
Deuteranomaly

94.8662, 0.3102, 0.3290

Tritanomaly

95.2379, 0.3047, 0.3280

Monochromacy



Original Color

95.1825, 0.3009, 0.3350

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.8493, 0.3082, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.1825, 0.3009, 0.3350 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(230, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 249)  
}
```

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(230, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 95.1825, 0.3009, 0.3350 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(230, 255, 249) }
```

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

```
.border{ border-color:rgb(230, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 255, 249); box-shadow:4px 4px 4px 4px rgb(230, 255, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 95.1825, 0.3009, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 249) }
```

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

```
.background{ background-color: rgb(230,  
255, 249) }
```

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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