

Converting Colors

$Y_{xy}(100.0000, 0.2916, 0.3436)$

Have a look what the booklet for
Yxy(100.0000, 0.2916, 0.3436)
contains.

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Color

Yxy(93.0840, 0.2915, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFFB
RGB	216, 255, 251
RGB Percent	85%, 100%, 98%
CMY	0.1531, 0.0000, 0.0156
CMYK	0.15, 0.00, 0.02, 0.00
HSL	174°, 100%, 92%
HSV	174°, 15%, 100%
XYZ	81.4834, 93.0840, 104.9641
YIQ	242.8830, -21.9600, -9.5120

Conversions

Conversions Part 2

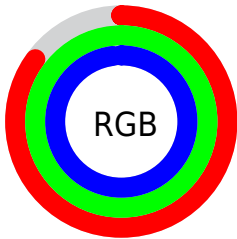
Format	Color
R _Y B	216, 237, 255
Decimal	14221307
CIE Lab	97.26, -13.21, -2.29
CIE LCh	97, 13.409, 189.844
Yxy	93.0840, 0.2915, 0.3330
Android (android.graphics.Color)	4292411387 (0xFFD8FFFB)
YUV	242.8830, 4.0017, -23.5764
Hunter-Lab	96.4800, -18.0857, 3.0323

Details

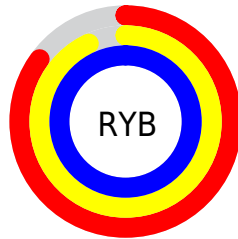
The Yxy color **93.0840, 0.2915, 0.3330** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.5081, 0.3388, 0.3251**, and the grayscale version is **89.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.9054, 0.2869, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **89.3297, 0.2787, 0.3359**, and if you desaturate by 10%, it is **97.4314, 0.3052, 0.3303**.

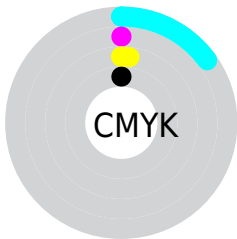
Distribution



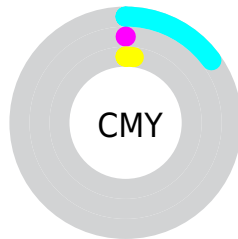
- Red (85%)
- Green (100%)
- Blue (98%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0840, 0.2915, 0.3330 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 93.0840, 0.2915, 0.3330 by changing the saturation by 10% instead.

 93.0840, 0.2915,
0.3330

 93.0840, 0.2915,
0.3330


538.0128, 0.3009,
0.3313

 70.5413, 0.2895,
0.3334


151.6149, 0.2947,
0.3324

 51.9680, 0.2870,
0.3338


188.3719, 0.2959,
0.3322

 36.9795, 0.2839,
0.3343


230.6358, 0.2970,
0.3320

 25.1917, 0.2801,
0.3350

278.7910, 0.2980,
0.3318

 16.2199, 0.2750,
0.3358

333.2219, 0.2988,
0.3317

 9.6799, 0.2681,
0.3369

394.3129, 0.2996,


 5.1872, 0.2580,


0.3315


462.4484, 0.3002,
0.3314


0.3384

 2.3575, 0.2422,
0.3406


 0.8039, 0.1934,
0.3522

 93.0840, 0.2915,
0.3330


 93.0840, 0.2915,
0.3330


 89.3297, 0.2787,
0.3359

 97.4314, 0.3052,
0.3303

 86.1584, 0.2671,
0.3390

100.0000, 0.3127,
0.3290

 83.5343, 0.2569,
0.3423

 81.4250, 0.2485,
0.3457

■ 79.7942, 0.2419,
0.3492

■ 78.6013, 0.2373,
0.3528

■ 77.7988, 0.2346,
0.3563

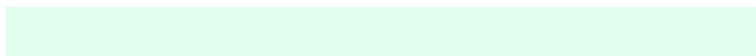
■ 77.3280, 0.2337,
0.3598

■ 77.1821, 0.2337,
0.3614

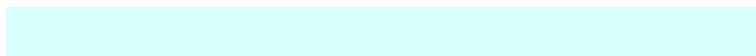
Harmonies

Analogous

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



93.0840, 0.3039, 0.3458



93.0840, 0.2915, 0.3330



93.0840, 0.2848, 0.3194

Triad

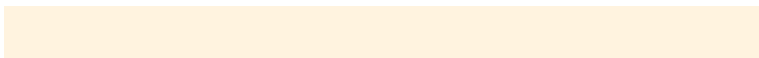
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.0840, 0.2915, 0.3330



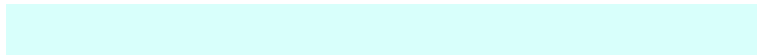
93.0840, 0.3061, 0.3056



93.0840, 0.3408, 0.3485

Complementary

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



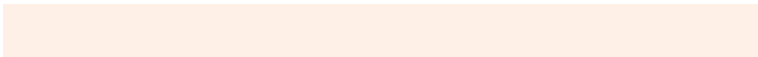
93.0840, 0.2915, 0.3330



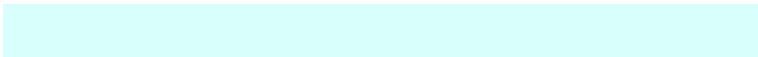
75.5081, 0.3388, 0.3251

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.



93.0840, 0.3415, 0.3375



93.0840, 0.2915, 0.3330



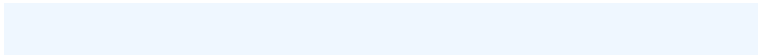
93.0840, 0.3212, 0.3131

Square

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



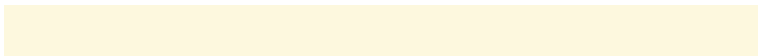
93.0840, 0.2915, 0.3330



93.0840, 0.2931, 0.3040



93.0840, 0.3343, 0.3246



93.0840, 0.3324, 0.3547

Rectangle

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



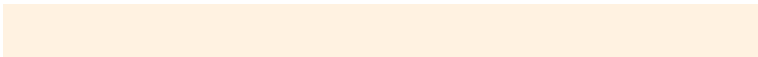
93.0840, 0.2915, 0.3330



93.0840, 0.2843, 0.3119



93.0840, 0.3343, 0.3246



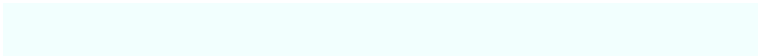
93.0840, 0.3419, 0.3452

Sweetspot

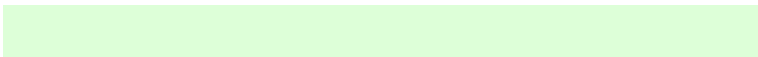
The Sweet Spot groups the original color and five complimentary colors.



93.0781, 0.2915, 0.3330



97.5784, 0.3056, 0.3302



91.7696, 0.3136, 0.3698



20.8157, 0.3046, 0.3304



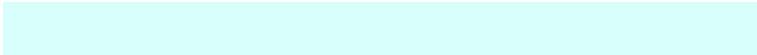
0.0000, 0.0000, 0.0000



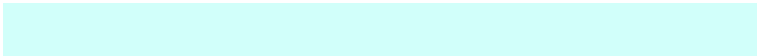
21.4041, 0.3127, 0.3290

Same Dimension

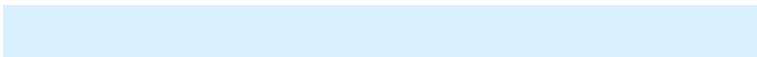
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.0781, 0.2915, 0.3330



92.0131, 0.2880, 0.3337



84.1490, 0.2888, 0.3135



20.4478, 0.2994, 0.3314



40.3423, 0.2336, 0.3608



3.9368, 0.2325, 0.3568

Inverse Universe

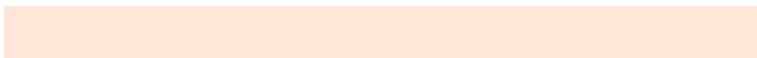
The Inverse Universe completely reimagines the original color for something new.



75.5081, 0.3388, 0.3251



71.7530, 0.3443, 0.3244



83.3212, 0.3393, 0.3440



18.0171, 0.3278, 0.3266



11.1573, 0.6286, 0.3236



1.0958, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 93.0840, 0.2915, 0.3330 looks on a white background.

Color Contrast Check

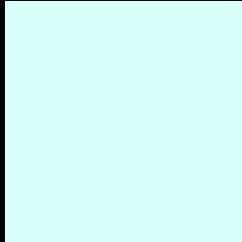
Large Text (above 18pt) WCAG AA × Fail

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 93.0840, 0.2915, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

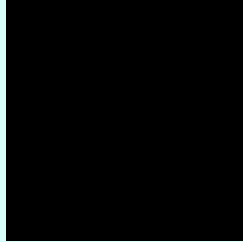
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.0840, 0.2915, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 93.0840, 0.2915, 0.3330.

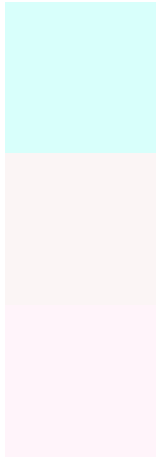


This preview shows how white text looks on a background with the Yxy color 93.0840, 0.2915, 0.3330.

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

93.0840, 0.2915, 0.3330

Protanopia

92.4066, 0.3166, 0.3290

Deuteranopia

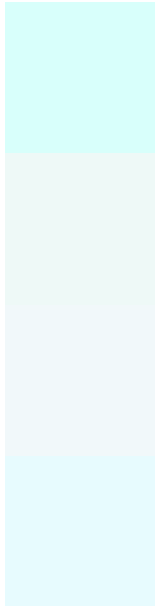
92.8635, 0.3162, 0.3232



Tritanopia

92.7055, 0.3030, 0.3221

Trichromacy



Original Color

93.0840, 0.2915, 0.3330

Protanomaly

92.6439, 0.3070, 0.3310

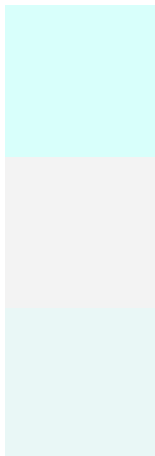
Deuteranomaly

92.7377, 0.3071, 0.3270

Tritanomaly

93.1390, 0.2987, 0.3260

Monochromacy



Original Color

93.0840, 0.2915, 0.3330

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.4990, 0.3045, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0840, 0.2915, 0.3330 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(216, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 251)  
}
```

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(216, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 93.0840, 0.2915, 0.3330 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(216, 255, 251) }
```

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

```
.border{ border-color:rgb(216, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0840, 0.2915, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 251) }
```

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

```
.background{ background-color: rgb(216,  
255, 251) }
```

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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