

Converting Colors

$Y_{xy}(100.0000, 0.3014, 0.3466)$

Have a look what the booklet for
Yxy(100.0000, 0.3014, 0.3466)
contains.

Yxy(94.6678, 0.3013, 0.3380)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(94.6678, 0.3013, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	E4FFF6
RGB	228, 255, 246
RGB Percent	89%, 100%, 96%
CMY	0.1059, 0.0000, 0.0352
CMYK	0.11, 0.00, 0.04, 0.00
HSL	160°, 100%, 95%
HSV	160°, 11%, 100%
XYZ	84.3888, 94.6678, 101.0257
YIQ	245.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

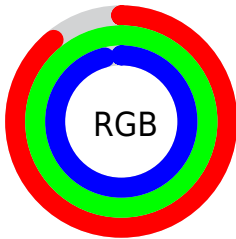
Format	Color
R _Y B	228, 244, 255
Decimal	15007734
CIE Lab	97.90, -10.39, 1.31
CIE LCh	98, 10.468, 172.802
Yxy	94.6678, 0.3013, 0.3380
Android (android.graphics.Color)	4293197814 (0xFFE4FFF6)
YUV	245.9010, 0.0488, -15.6992
Hunter-Lab	97.2974, -15.4523, 6.5463

Details

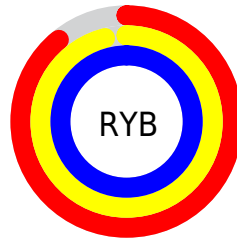
The Yxy color **94.6678, 0.3013, 0.3380** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8550, 0.3256, 0.3202**, and the grayscale version is **92.0810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.8765, 0.2984, 0.3393** is the 20% darker color. If you saturate the color by 10%, you get **90.2910, 0.2910, 0.3474**, and if you desaturate by 10%, it is **99.6827, 0.3121, 0.3295**.

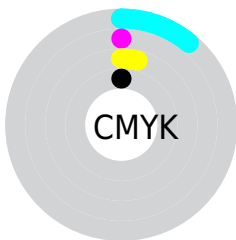
Distribution



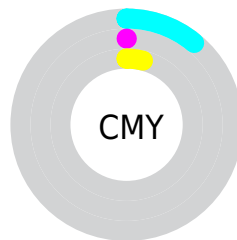
- Red (89%)
- Green (100%)
- Blue (96%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.6678, 0.3013, 0.3380 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 94.6678, 0.3013, 0.3380 by changing the saturation by 10% instead.


 94.6678, 0.3013,
0.3380

 94.6678, 0.3013,
0.3380

543.1009, 0.3064,
0.3340

 71.8585, 0.3002,
0.3389


153.8056, 0.3030,
0.3366

 53.0431, 0.2989,
0.3399


190.9029, 0.3037,
0.3361

 37.8372, 0.2972,
0.3413


233.5316, 0.3043,
0.3357

 25.8563, 0.2951,
0.3429

282.0762, 0.3048,
0.3352

 16.7162, 0.2923,
0.3451

336.9210, 0.3052,
0.3349

 10.0324, 0.2885,
0.3482

398.4505, 0.3057,

 5.4204, 0.2830,

0.3346

0.3527

467.0490, 0.3060,
0.3343

■ 2.4960, 0.2742,
0.3598

■ 0.8746, 0.2498,
0.3781

■ 94.6678, 0.3013,
0.3380

■ 94.6678, 0.3013,
0.3380

■ 90.2910, 0.2910,
0.3474

99.6827, 0.3121,
0.3295

■ 86.5262, 0.2813,
0.3578

100.0000, 0.3127,
0.3290

■ 83.3441, 0.2727,
0.3689

■ 80.7130, 0.2655,
0.3808

■ 78.5983, 0.2598,
0.3933

■ 76.9614, 0.2561,
0.4062

■ 75.7580, 0.2544,
0.4191

■ 74.9350, 0.2547,
0.4320

■ 74.4293, 0.2566,
0.4439

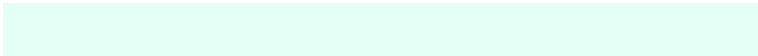
Harmonies

Analogous

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



94.6678, 0.3124, 0.3460



94.6678, 0.3013, 0.3380



94.6678, 0.2933, 0.3275

Triad

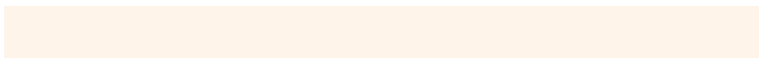
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.6678, 0.3013, 0.3380



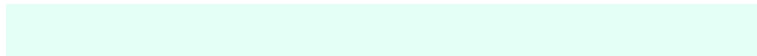
94.6678, 0.3015, 0.3094



94.6678, 0.3355, 0.3397

Complementary

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



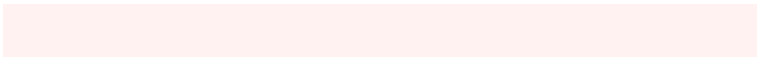
94.6678, 0.3013, 0.3380



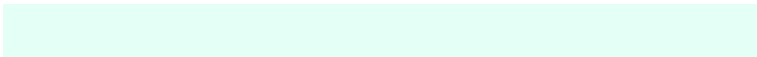
82.8550, 0.3256, 0.3202

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.



94.6678, 0.3325, 0.3300



94.6678, 0.3013, 0.3380



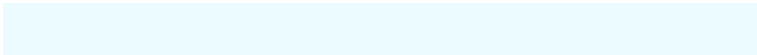
94.6678, 0.3127, 0.3128

Square

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



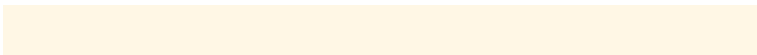
94.6678, 0.3013, 0.3380



94.6678, 0.2934, 0.3112



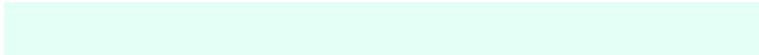
94.6678, 0.3241, 0.3202



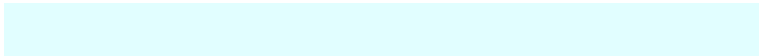
94.6678, 0.3323, 0.3468

Rectangle

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



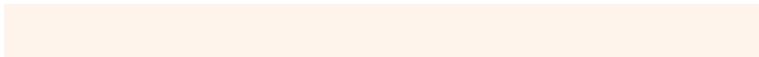
94.6678, 0.3013, 0.3380



94.6678, 0.2907, 0.3207



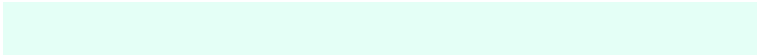
94.6678, 0.3241, 0.3202



94.6678, 0.3352, 0.3366

Sweetspot

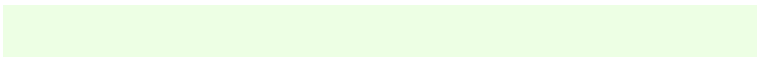
The Sweet Spot groups the original color and five complimentary colors.



94.6674, 0.3013, 0.3380



98.4150, 0.3095, 0.3314



95.1245, 0.3171, 0.3561



20.9764, 0.3086, 0.3321



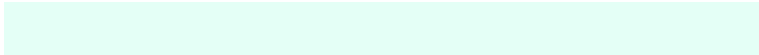
0.0000, 0.0000, 0.0000



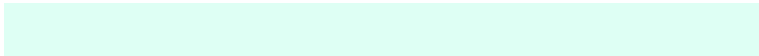
21.4041, 0.3127, 0.3290

Same Dimension

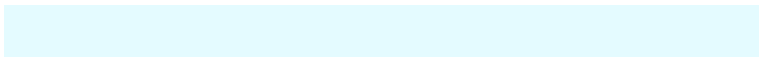
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6674, 0.3013, 0.3380



93.5560, 0.2988, 0.3402



92.3940, 0.2963, 0.3245



20.3727, 0.3025, 0.3370



38.9197, 0.2561, 0.4418



3.8098, 0.2520, 0.4273

Inverse Universe

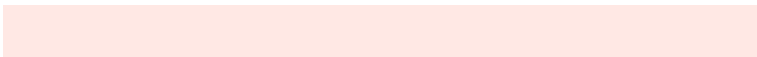
The Inverse Universe completely reimagines the original color for something new.



82.8550, 0.3256, 0.3202



79.2990, 0.3290, 0.3181



84.8520, 0.3311, 0.3335



18.0867, 0.3242, 0.3211



11.4746, 0.5650, 0.2886



1.1365, 0.5331, 0.2711

Previews

White Background



This preview shows how the Yxy color 94.6678, 0.3013, 0.3380 looks on a white background.

Color Contrast Check

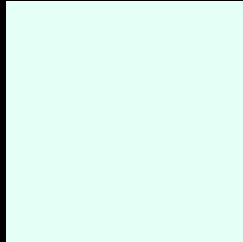
Large Text (above 18pt) WCAG AA × Fail

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 94.6678, 0.3013, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

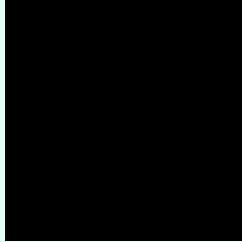
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

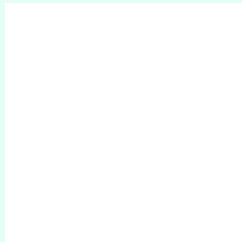
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.6678, 0.3013, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 94.6678, 0.3013, 0.3380.

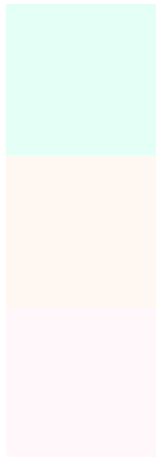


This preview shows how white text looks on a background with the Yxy color 94.6678, 0.3013, 0.3380.

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

94.6678, 0.3013, 0.3380

Protanopia

94.1923, 0.3209, 0.3339

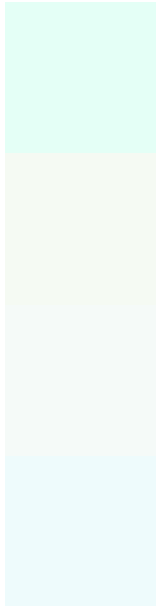
Deuteranopia

94.6211, 0.3166, 0.3271

Tritanopia

94.2045, 0.3061, 0.3231

Trichromacy



Original Color

94.6678, 0.3013, 0.3380

Protanomaly

94.2548, 0.3137, 0.3359

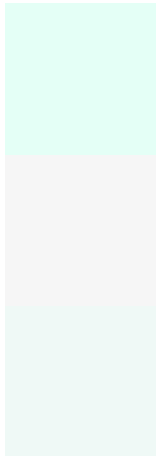
Deuteranomaly

94.5610, 0.3107, 0.3310

Tritanomaly

94.1998, 0.3041, 0.3280

Monochromacy



Original Color

94.6678, 0.3013, 0.3380

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.7559, 0.3082, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.6678, 0.3013, 0.3380 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(228, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 246)  
}
```

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(228, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 94.6678, 0.3013, 0.3380 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(228, 255, 246) }
```

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

```
.border{ border-color:rgb(228, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 94.6678, 0.3013, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 246) }
```

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

```
.background{ background-color: rgb(228,  
255, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor