

Converting Colors

$Yxy(94.7678, 0.3035, 0.3404)$

Have a look what the booklet for
Yxy(94.7678, 0.3035, 0.3404)
contains.

Yxy(94.7097, 0.3030, 0.3400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(94.7097, 0.3030, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	E5FFF4
RGB	229, 255, 244
RGB Percent	90%, 100%, 96%
CMY	0.1020, 0.0000, 0.0430
CMYK	0.10, 0.00, 0.04, 0.00
HSL	155°, 100%, 95%
HSV	155°, 10%, 100%
XYZ	84.4031, 94.7097, 99.4452
YIQ	245.9720, -11.9650, -8.9330

Conversions

Conversions Part 2

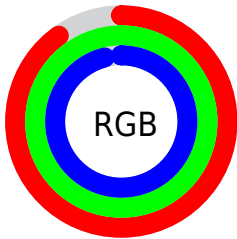
Format	Color
R _Y B	229, 245, 255
Decimal	15073268
CIE Lab	97.92, -10.43, 2.36
CIE LCh	98, 10.695, 167.235
Yxy	94.7097, 0.3030, 0.3400
Android (android.graphics.Color)	4293263348 (0xFFE5FFF4)
YUV	245.9720, -0.9722, -14.8844
Hunter-Lab	97.3189, -15.4980, 7.5378

Details

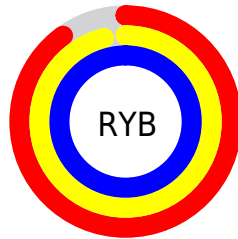
The Yxy color **94.7097, 0.3030, 0.3400** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.5813, 0.3236, 0.3183**, and the grayscale version is **92.1500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9032, 0.3005, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **90.1846, 0.2938, 0.3520**, and if you desaturate by 10%, it is **99.8894, 0.3125, 0.3292**.

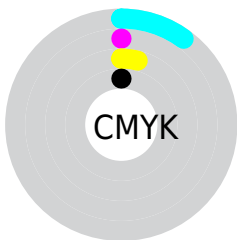
Distribution



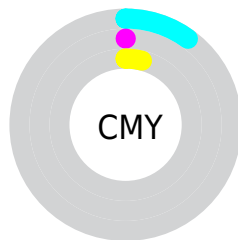
- Red (90%)
- Green (100%)
- Blue (96%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 94.7097, 0.3030, 0.3400 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 94.7097, 0.3030, 0.3400 by changing the saturation by 10% instead.


 94.7097, 0.3030,
0.3400

 94.7097, 0.3030,
0.3400


543.2352, 0.3073,
0.3351

 71.8934, 0.3021,
0.3411


153.8635, 0.3045,
0.3383

 53.0716, 0.3009,
0.3424

190.9697, 0.3050,
0.3377

 37.8599, 0.2995,
0.3440


233.6081, 0.3055,
0.3371

 25.8740, 0.2977,
0.3461

282.1629, 0.3060,
0.3366

 16.7294, 0.2953,
0.3488

337.0187, 0.3064,
0.3362

 10.0417, 0.2920,
0.3526

398.5597, 0.3067,

 5.4266, 0.2872,

0.3358

0.3582

467.1704, 0.3070,
0.3354

■ 2.4997, 0.2795,
0.3672

■ 0.8765, 0.2578,
0.3906

■ 94.7097, 0.3030,
0.3400

■ 94.7097, 0.3030,
0.3400

■ 90.1846, 0.2938,
0.3520


99.8894, 0.3125,
0.3292


■ 86.2861, 0.2852,
0.3652

100.0000, 0.3127,
0.3290


■ 82.9850, 0.2775,
0.3796


■ 80.2495, 0.2710,
0.3950

 78.0448, 0.2661,
0.4111

 76.3320, 0.2630,
0.4278

 75.0667, 0.2619,
0.4445

 74.1959, 0.2630,
0.4609

 73.6419, 0.2657,
0.4765

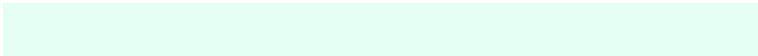
Harmonies

Analogous

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



94.7097, 0.3147, 0.3475



94.7097, 0.3030, 0.3400



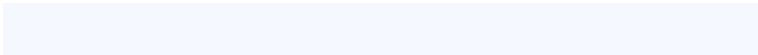
94.7097, 0.2941, 0.3295

Triad

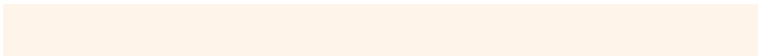
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.7097, 0.3030, 0.3400



94.7097, 0.2994, 0.3090



94.7097, 0.3359, 0.3382

Complementary

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



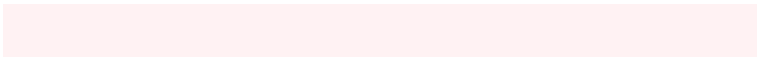
94.7097, 0.3030, 0.3400



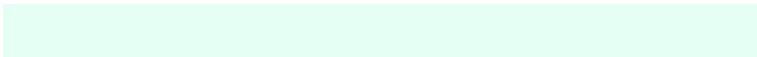
83.5813, 0.3236, 0.3183

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.



94.7097, 0.3317, 0.3281



94.7097, 0.3030, 0.3400



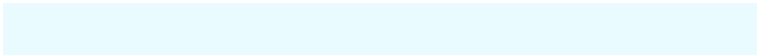
94.7097, 0.3104, 0.3114

Square

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



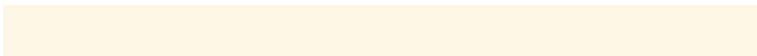
94.7097, 0.3030, 0.3400



94.7097, 0.2920, 0.3117



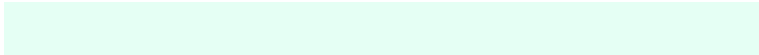
94.7097, 0.3223, 0.3184



94.7097, 0.3338, 0.3462

Rectangle

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



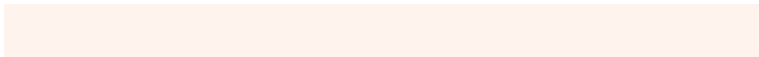
94.7097, 0.3030, 0.3400



94.7097, 0.2907, 0.3224



94.7097, 0.3223, 0.3184



94.7097, 0.3352, 0.3350

Sweetspot

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



94.7099, 0.3030, 0.3400



98.3718, 0.3098, 0.3321



95.7474, 0.3185, 0.3550



20.9647, 0.3091, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

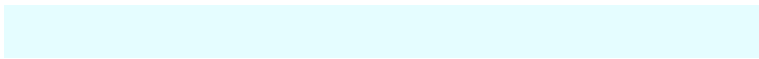
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.7099, 0.3030, 0.3400



93.8480, 0.3013, 0.3421



94.2948, 0.2969, 0.3272



20.3444, 0.3037, 0.3392



38.5100, 0.2650, 0.4739



3.7714, 0.2599, 0.4557

Inverse Universe

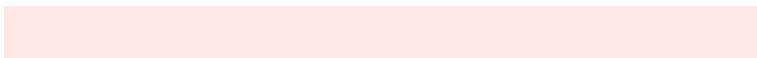
The Inverse Universe completely reimagines the original color for something new.



83.5813, 0.3236, 0.3183



80.9187, 0.3257, 0.3163



83.9136, 0.3306, 0.3308



18.1142, 0.3228, 0.3190



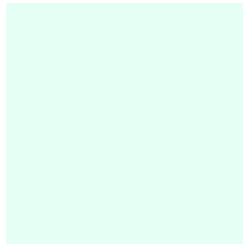
11.6974, 0.5295, 0.2691



1.1602, 0.5002, 0.2529

Previews

White Background



This preview shows how the Yxy color 94.7097, 0.3030, 0.3400 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 94.7097, 0.3030, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

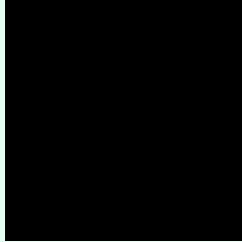
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

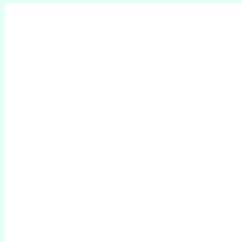
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.7097, 0.3030, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 94.7097, 0.3030, 0.3400.

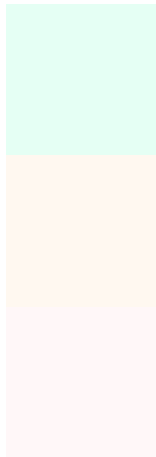


This preview shows how white text looks on a background with the Yxy color 94.7097, 0.3030, 0.3400.

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

94.7097, 0.3030, 0.3400

Protanopia

94.6861, 0.3220, 0.3368

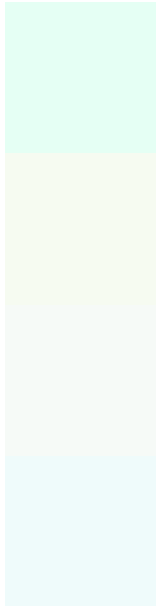
Deuteranopia

94.5588, 0.3172, 0.3281

Tritanopia

94.3838, 0.3067, 0.3232

Trichromacy



Original Color

94.7097, 0.3030, 0.3400

Protanomaly

94.9381, 0.3154, 0.3388

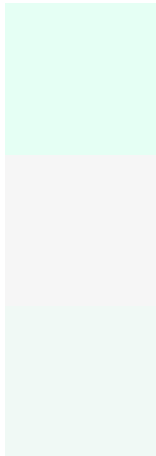
Deuteranomaly

94.6794, 0.3119, 0.3319

Tritanomaly

94.3101, 0.3052, 0.3290

Monochromacy



Original Color

94.7097, 0.3030, 0.3400

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.8692, 0.3094, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.7097, 0.3030, 0.3400 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(229, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 244)  
}
```

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(229, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 94.7097, 0.3030, 0.3400 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(229, 255, 244) }
```

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

```
.border{ border-color:rgb(229, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 94.7097, 0.3030, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 244) }
```

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

```
.background{ background-color: rgb(229,  
255, 244) }
```

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