

Converting Colors

$Yxy(94.9084, 0.2871, 0.3102)$

Have a look what the booklet for
Yxy(94.9084, 0.2871, 0.3102)
contains.

Yxy(93.9645, 0.2964, 0.3270)	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(93.9645, 0.2964, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	E4FDFF
RGB	228, 253, 255
RGB Percent	89%, 99%, 100%
CMY	0.1058, 0.0078, 0.0002
CMYK	0.11, 0.01, 0.00, 0.00
HSL	184°, 100%, 95%
HSV	184°, 11%, 100%
XYZ	85.1715, 93.9645, 108.2172
YIQ	245.7530, -15.5420, -4.6780

Conversions

Conversions Part 2

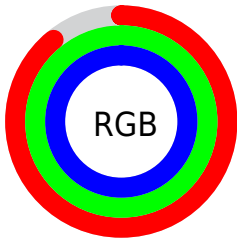
Format	Color
R_{YB}	228, 241, 255
Decimal	15007231
CIE _{Lab}	97.62, -7.69, -3.70
CIE _{LCh}	98, 8.529, 205.702
Yxy	93.9645, 0.2964, 0.3270
Android (android.graphics.Color)	4293197311 (0xFFE4FDFF)
YUV	245.7530, 4.5588, -15.5694
Hunter-Lab	96.9353, -12.7990, 1.6642

Details

The Yxy color **93.9645, 0.2964, 0.3270** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.4412, 0.3313, 0.3310**, and the grayscale version is **91.9255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.3277, 0.2928, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **88.9380, 0.2817, 0.3249**, and if you desaturate by 10%, it is **99.6251, 0.3118, 0.3289**.

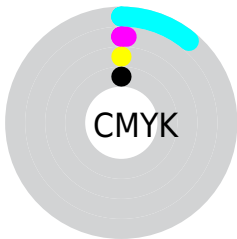
Distribution



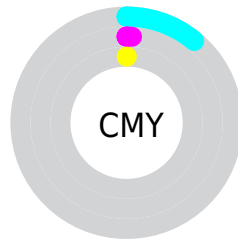
- Red (89%)
- Green (99%)
- Blue (100%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (11%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.9645, 0.2964, 0.3270 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 93.9645, 0.2964, 0.3270 by changing the saturation by 10% instead.

 93.9645, 0.2964,
0.3270

 93.9645, 0.2964,
0.3270


540.8446, 0.3036,
0.3279

 71.2734, 0.2948,
0.3268


152.8332, 0.2988,
0.3273

 52.5654, 0.2930,
0.3265

189.7797, 0.2998,
0.3275

 37.4559, 0.2906,
0.3262


232.2468, 0.3006,
0.3276

 25.5607, 0.2877,
0.3257

280.6188, 0.3014,
0.3277

 16.4953, 0.2838,
0.3251

335.2802, 0.3020,
0.3277

 9.8753, 0.2785,
0.3243

396.6154, 0.3026,

 5.3164, 0.2709,

0.3278

0.3230

465.0087, 0.3031,
0.3279

■ 2.4340, 0.2589,
0.3207

■ 0.8433, 0.2317,
0.3182

■ 93.9645, 0.2964,
0.3270

■ 93.9645, 0.2964,
0.3270

■ 88.9380, 0.2817,
0.3249

99.6251, 0.3118,
0.3289

■ 84.5070, 0.2679,
0.3227

99.9972, 0.3127,
0.3290

■ 80.6466, 0.2555,
0.3204

■ 77.3255, 0.2446,
0.3180

■ 74.5094, 0.2356,
0.3155

■ 72.1601, 0.2285,
0.3130

■ 70.2336, 0.2233,
0.3105

■ 68.6773, 0.2200,
0.3080

■ 67.4690, 0.2183,
0.3057

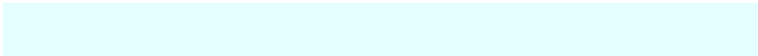
Harmonies

Analogous

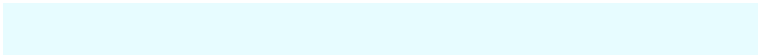
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9645, 0.3026, 0.3356



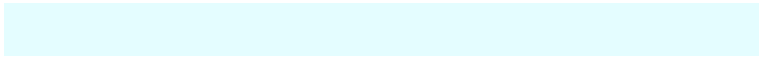
93.9645, 0.2964, 0.3270



93.9645, 0.2945, 0.3191

Triad

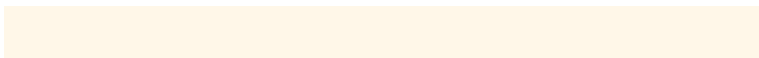
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



93.9645, 0.2964, 0.3270



93.9645, 0.3136, 0.3162



93.9645, 0.3282, 0.3440

Complementary

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



93.9645, 0.2964, 0.3270



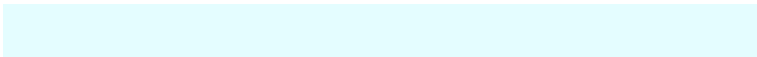
83.4412, 0.3313, 0.3310

Split Complementary

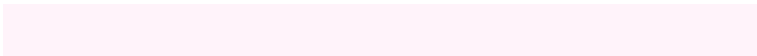
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.9645, 0.3313, 0.3385



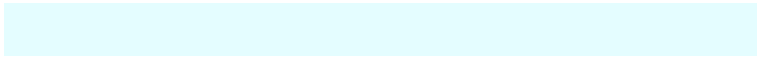
93.9645, 0.2964, 0.3270



93.9645, 0.3228, 0.3225

Square

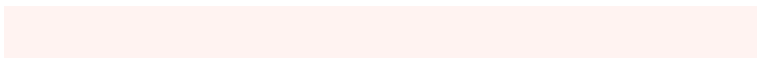
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9645, 0.2964, 0.3270



93.9645, 0.3044, 0.3131



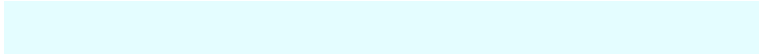
93.9645, 0.3293, 0.3307



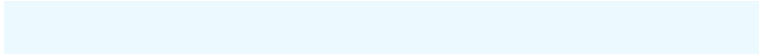
93.9645, 0.3210, 0.3455

Rectangle

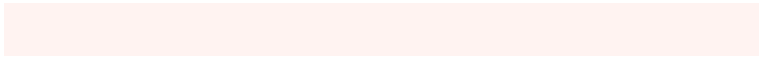
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.9645, 0.2964, 0.3270



93.9645, 0.2959, 0.3154



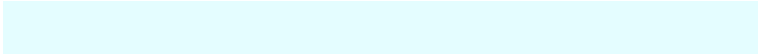
93.9645, 0.3293, 0.3307



93.9645, 0.3298, 0.3425

Sweetspot

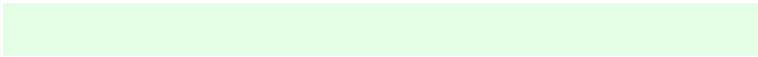
The Sweet Spot groups the original color and five complimentary colors.



93.9684, 0.2964, 0.3270



98.2241, 0.3080, 0.3285



93.6949, 0.3104, 0.3546



20.9245, 0.3068, 0.3283



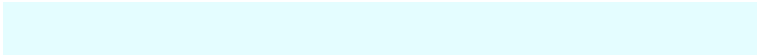
0.0000, 0.0000, 0.0000



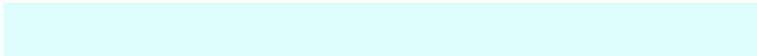
21.4041, 0.3127, 0.3290

Same Dimension

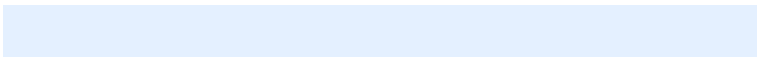
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.9684, 0.2964, 0.3270



92.7205, 0.2927, 0.3265



85.8599, 0.2962, 0.3135



20.2424, 0.2980, 0.3272



35.3632, 0.2184, 0.3061



3.5079, 0.2192, 0.3089

Inverse Universe

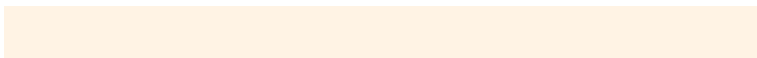
The Inverse Universe completely reimagines the original color for something new.



83.8485, 0.3152, 0.3048



80.4889, 0.3158, 0.2991



91.1294, 0.3298, 0.3440



18.2763, 0.3149, 0.3073



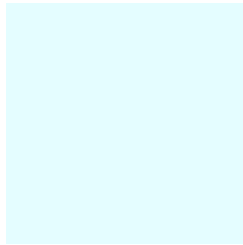
14.2979, 0.3401, 0.1647



1.3987, 0.3376, 0.1634

Previews

White Background



This preview shows how the Yxy color 93.9645, 0.2964, 0.3270 looks on a white background.

Color Contrast Check

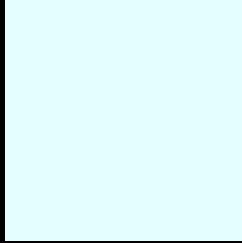
Large Text (above 18pt) WCAG AA × Fail

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 93.9645, 0.2964, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

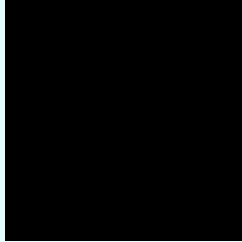
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.9645, 0.2964, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 93.9645, 0.2964, 0.3270.

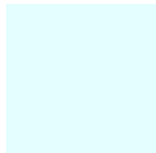


This preview shows how white text looks on a background with the Yxy color 93.9645, 0.2964, 0.3270.

Color Blindness Simulation

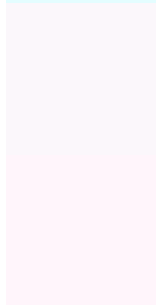
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

93.9645, 0.2964, 0.3270



Protanopia

93.9958, 0.3129, 0.3251

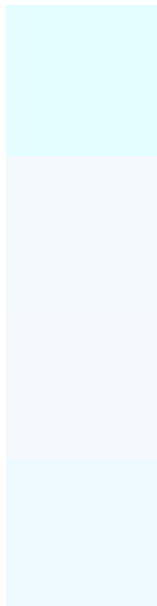
Deuteranopia

93.5299, 0.3156, 0.3232

Tritanopia

94.0260, 0.3055, 0.3231

Trichromacy



Original Color

93.9645, 0.2964, 0.3270

Protanomaly

93.8343, 0.3072, 0.3261

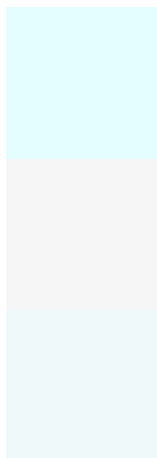
Deuteranomaly

93.5756, 0.3085, 0.3251

Tritanomaly

93.7684, 0.3024, 0.3241

Monochromacy



Original Color

93.9645, 0.2964, 0.3270

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.9416, 0.3064, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9645, 0.2964, 0.3270 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 253, 255)  
}
```

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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 93.9645, 0.2964, 0.3270 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, 253, 255) }
```

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

```
.border{ border-color:rgb(228, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9645, 0.2964, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 253, 255) }
```

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

```
.background{ background-color: rgb(228,  
253, 255) }
```

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