

Converting Colors

Yxy(166.9284, 0.3016, 0.4165)

Have a look what the booklet for
Yxy(166.9284, 0.3016, 0.4165)
contains.

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Color

Yxy(94.9968, 0.3025, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFF6
RGB	230, 255, 246
RGB Percent	90%, 100%, 96%
CMY	0.0982, 0.0000, 0.0353
CMYK	0.10, 0.00, 0.04, 0.00
HSL	158°, 100%, 95%
HSV	158°, 10%, 100%
XYZ	85.0193, 94.9968, 101.0395
YIQ	246.4990, -12.0110, -8.0990

Conversions

Conversions Part 2

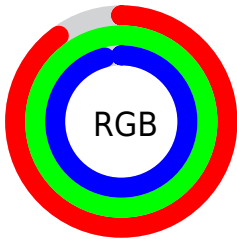
Format	Color
R_{YB}	230, 245, 255
Decimal	15138806
CIE _{Lab}	98.03, -9.76, 1.53
CIE _{LCh}	98, 9.879, 171.091
Yxy	94.9968, 0.3025, 0.3380
Android (android.graphics.Color)	4293328886 (0xFFE6FFF6)
YUV	246.4990, -0.2460, -14.4696
Hunter-Lab	97.4663, -14.8614, 6.7628

Details

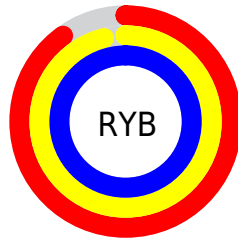
The Yxy color **94.9968, 0.3025, 0.3380** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.0672, 0.3241, 0.3202**, and the grayscale version is **92.5845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.1045, 0.2999, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **90.5280, 0.2925, 0.3481**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

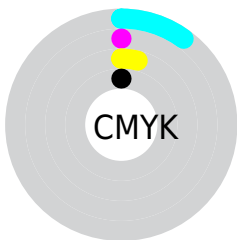
Distribution



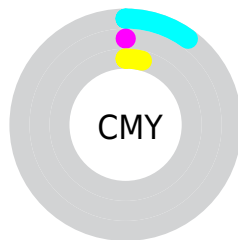
- Red (90%)
- Green (100%)
- Blue (96%)



- 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 94.9968, 0.3025, 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 94.9968, 0.3025, 0.3380 by changing the saturation by 10% instead.


 94.9968, 0.3025,
0.3380

 94.9968, 0.3025,
0.3380


544.1547, 0.3070,
0.3340

 72.1323, 0.3015,
0.3389


154.2602, 0.3040,
0.3366

 53.2668, 0.3003,
0.3399


191.4279, 0.3046,
0.3361

 38.0158, 0.2988,
0.3413


234.1321, 0.3052,
0.3357

 25.9949, 0.2969,
0.3429

282.7572, 0.3056,
0.3352

 16.8198, 0.2945,
0.3451

337.6876, 0.3060,
0.3349

 10.1061, 0.2911,
0.3482

399.3078, 0.3064,

 5.4694, 0.2861,

0.3346

0.3527

468.0020, 0.3067,
0.3343

■ 2.5252, 0.2782,
0.3598

■ 0.8892, 0.2575,
0.3772

■ 94.9968, 0.3025,
0.3380

■ 94.9968, 0.3025,
0.3380

■ 90.5280, 0.2925,
0.3481

100.0000, 0.3127,
0.3290

■ 86.6822, 0.2831,
0.3593

■ 83.4251, 0.2747,
0.3714

■ 80.7254, 0.2676,
0.3843

■ 78.5486, 0.2620,
0.3978

■ 76.8563, 0.2584,
0.4118

■ 75.6047, 0.2567,
0.4259

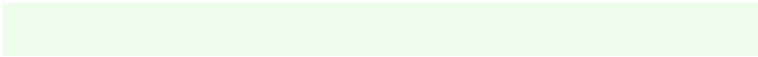
■ 74.7414, 0.2572,
0.4399

■ 74.1832, 0.2594,
0.4536

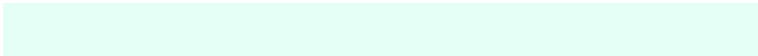
Harmonies

Analogous

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



94.9968, 0.3131, 0.3454



94.9968, 0.3025, 0.3380



94.9968, 0.2947, 0.3282

Triad

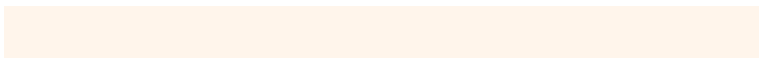
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.9968, 0.3025, 0.3380



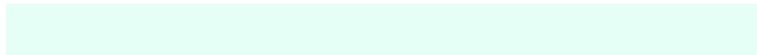
94.9968, 0.3016, 0.3105



94.9968, 0.3342, 0.3386

Complementary

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



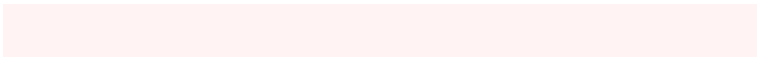
94.9968, 0.3025, 0.3380



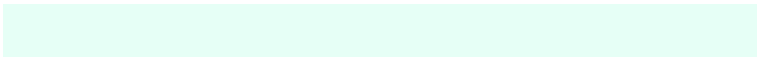
84.0672, 0.3241, 0.3202

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.



94.9968, 0.3310, 0.3294



94.9968, 0.3025, 0.3380



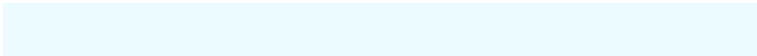
94.9968, 0.3121, 0.3134

Square

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



94.9968, 0.3025, 0.3380



94.9968, 0.2942, 0.3124



94.9968, 0.3229, 0.3202



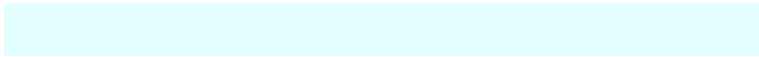
94.9968, 0.3315, 0.3455

Rectangle

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



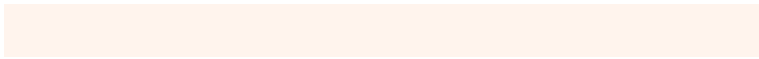
94.9968, 0.3025, 0.3380



94.9968, 0.2921, 0.3217



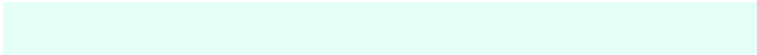
94.9968, 0.3229, 0.3202



94.9968, 0.3338, 0.3357

Sweetspot

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



94.9916, 0.3025, 0.3380



98.4019, 0.3096, 0.3316



95.6079, 0.3173, 0.3540



20.9728, 0.3087, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

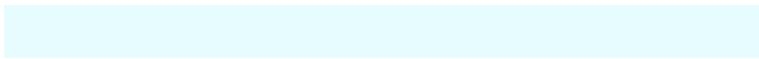
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.9916, 0.3025, 0.3380



93.9625, 0.3003, 0.3401



93.4471, 0.2975, 0.3256



20.3640, 0.3028, 0.3377



38.7872, 0.2588, 0.4516



3.7975, 0.2544, 0.4359

Inverse Universe

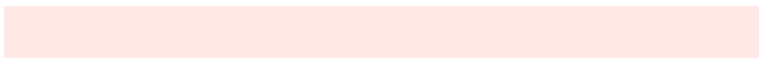
The Inverse Universe completely reimagines the original color for something new.



84.0672, 0.3241, 0.3202



80.8083, 0.3270, 0.3182



85.4233, 0.3297, 0.3323



18.0950, 0.3237, 0.3205



11.5359, 0.5545, 0.2829



1.1432, 0.5232, 0.2656

Previews

White Background



This preview shows how the Yxy color 94.9968, 0.3025, 0.3380 looks on a white background.

Color Contrast Check

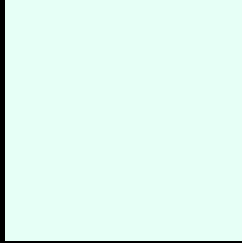
Large Text (above 18pt) WCAG AA × Fail

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 94.9968, 0.3025, 0.3380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

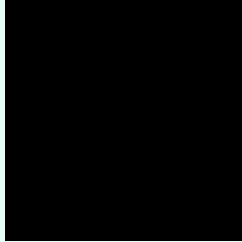
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

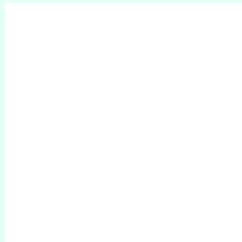
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.9968, 0.3025, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 94.9968, 0.3025, 0.3380.

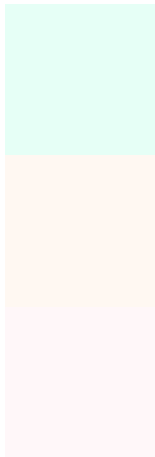


This preview shows how white text looks on a background with the Yxy color 94.9968, 0.3025, 0.3380.

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

94.9968, 0.3025, 0.3380

Protanopia

94.8056, 0.3208, 0.3348

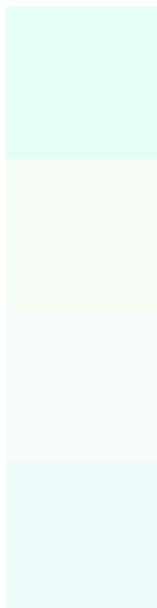
Deuteranopia

94.6211, 0.3166, 0.3271

Tritanopia

95.0037, 0.3067, 0.3241

Trichromacy



Original Color

94.9968, 0.3025, 0.3380

Protanomaly

95.0583, 0.3142, 0.3368

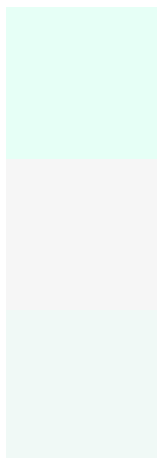
Deuteranomaly

94.7414, 0.3114, 0.3309

Tritanomaly

95.1743, 0.3053, 0.3290

Monochromacy



Original Color

94.9968, 0.3025, 0.3380

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.9304, 0.3088, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.9968, 0.3025, 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(230, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 94.9968, 0.3025, 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(230, 255, 246) }
```

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

```
.border{ border-color:rgb(230, 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(230, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 94.9968, 0.3025, 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(230, 255, 246) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

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