

# Converting Colors

$Y_{xy}(95.3577, 0.3057, 0.3403)$

Have a look what the booklet for  
Yxy(95.3577, 0.3057, 0.3403)  
contains.

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# Color

**Yxy(95.3753, 0.3054, 0.3400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFF4
RGB	233, 255, 244
RGB Percent	91%, 100%, 96%
CMY	0.0866, 0.0000, 0.0432
CMYK	0.09, 0.00, 0.04, 0.00
HSL	150°, 100%, 96%
HSV	150°, 9%, 100%
XYZ	85.6695, 95.3753, 99.4708
YIQ	247.1680, -9.5810, -8.0850

# Conversions

## Conversions Part 2

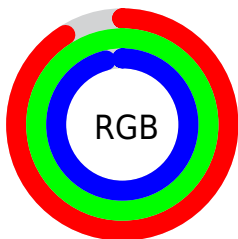
Format	Color
R <sub>Y</sub> B	233, 248, 255
Decimal	15335412
CIE Lab	98.18, -9.19, 2.81
CIE LCh	98, 9.605, 163.018
Yxy	95.3753, 0.3054, 0.3400
Android (android.graphics.Color)	4293525492 (0xFFE9FFF4)
YUV	247.1680, -1.5618, -12.4253
Hunter-Lab	97.6603, -14.3219, 7.9730

# Details

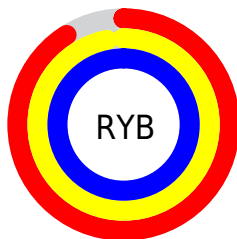
The Yxy color **95.3753, 0.3054, 0.3400** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0138, 0.3207, 0.3183**, and the grayscale version is **93.1494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.3661, 0.3036, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **90.6296, 0.2972, 0.3540**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

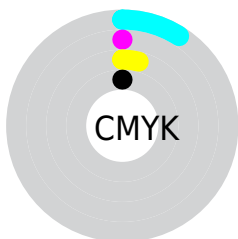
# Distribution



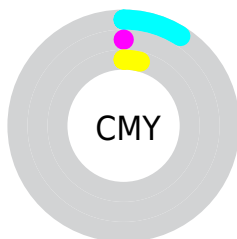
- Red (91%)
- Green (100%)
- Blue (96%)



- Red (91%)
- Yellow (97%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.3753, 0.3054, 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 95.3753, 0.3054, 0.3400 by changing the saturation by 10% instead.



 95.3753, 0.3054,  
0.3400

 95.3753, 0.3054,  
0.3400


545.3658, 0.3086,  
0.3351

 72.4474, 0.3047,  
0.3411


154.7830, 0.3065,  
0.3383

 53.5242, 0.3038,  
0.3424


192.0316, 0.3069,  
0.3377

 38.2214, 0.3027,  
0.3440


234.8224, 0.3073,  
0.3371

 26.1546, 0.3014,  
0.3461

283.5401, 0.3076,  
0.3366

 16.9393, 0.2996,  
0.3488

338.5688, 0.3079,  
0.3362

 10.1912, 0.2971,  
0.3526

400.2931, 0.3082,

 5.5259, 0.2935,

0.3358

0.3581

469.0973, 0.3084,  
0.3354

■ 2.5590, 0.2876,  
0.3671

■ 0.9061, 0.2729,  
0.3883

■ 95.3753, 0.3054,  
0.3400

■ 95.3753, 0.3054,  
0.3400

■ 90.6296, 0.2972,  
0.3540

100.0000, 0.3127,  
0.3290

■ 86.5456, 0.2894,  
0.3696

■ 83.0779, 0.2823,  
0.3866

■ 80.1946, 0.2764,  
0.4049

■ 77.8609, 0.2719,  
0.4241

■ 76.0381, 0.2691,  
0.4439

■ 74.6823, 0.2684,  
0.4637

■ 73.7417, 0.2696,  
0.4830

■ 73.1424, 0.2727,  
0.5012

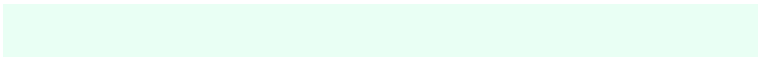
# Harmonies

## Analogous

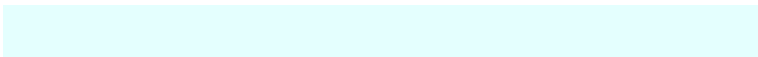
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.3753, 0.3160, 0.3461



95.3753, 0.3054, 0.3400



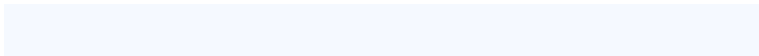
95.3753, 0.2969, 0.3309

# Triad

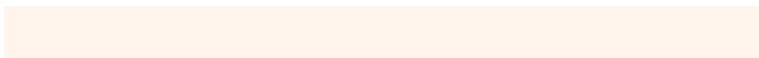
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.3753, 0.3054, 0.3400



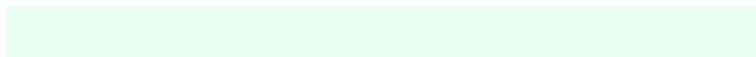
95.3753, 0.2996, 0.3111



95.3753, 0.3333, 0.3361

# Complementary

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



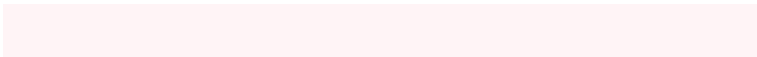
95.3753, 0.3054, 0.3400



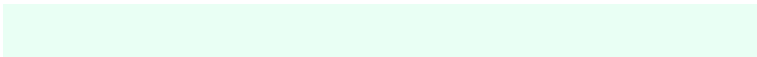
86.0138, 0.3207, 0.3183

# 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.



95.3753, 0.3288, 0.3269



95.3753, 0.3054, 0.3400



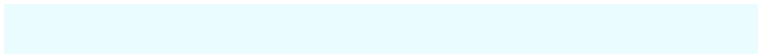
95.3753, 0.3092, 0.3126

# Square

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



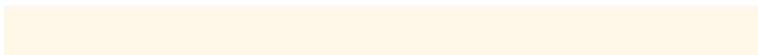
95.3753, 0.3054, 0.3400



95.3753, 0.2936, 0.3142



95.3753, 0.3199, 0.3184



95.3753, 0.3322, 0.3436

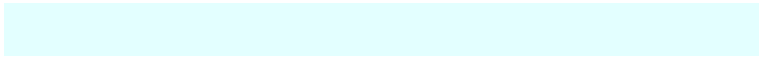


# Rectangle

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



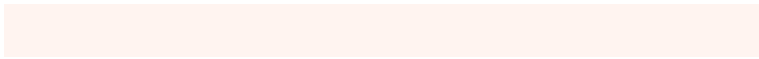
95.3753, 0.3054, 0.3400



95.3753, 0.2934, 0.3244



95.3753, 0.3199, 0.3184



95.3753, 0.3324, 0.3331

# Sweetspot

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



95.3594, 0.3054, 0.3400



98.3346, 0.3102, 0.3327



96.6231, 0.3186, 0.3508



20.9546, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

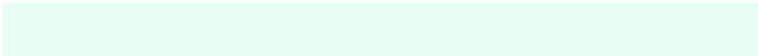


# Same Dimension

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



95.3594, 0.3054, 0.3400



94.6885, 0.3043, 0.3418



96.0485, 0.2993, 0.3290



20.3201, 0.3047, 0.3411



38.2136, 0.2724, 0.5006



3.7428, 0.2666, 0.4799



# Inverse Universe

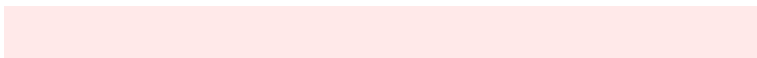
The Inverse Universe completely reimagines the original color for something new.



86.0138, 0.3207, 0.3183



83.9993, 0.3221, 0.3166



85.3649, 0.3278, 0.3290



18.1381, 0.3216, 0.3172



11.9412, 0.4971, 0.2512



1.1847, 0.4716, 0.2371



# Previews

## White Background



This preview shows how the Yxy color 95.3753, 0.3054, 0.3400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

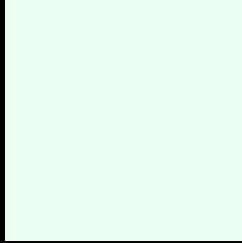
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.3753, 0.3054, 0.3400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

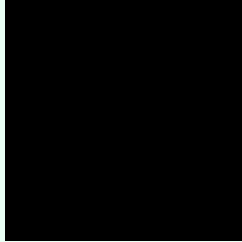
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

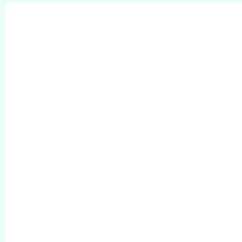
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.3753, 0.3054, 0.3400**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.3753, 0.3054, 0.3400.

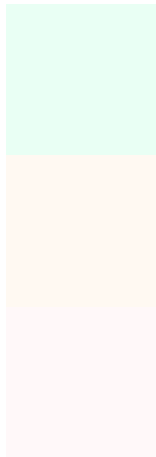


This preview shows how white text looks on a background with the Yxy color 95.3753, 0.3054, 0.3400.

# 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

95.3753, 0.3054, 0.3400

### Protanopia

95.4222, 0.3207, 0.3358

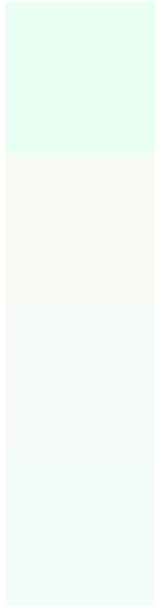
### Deuteranopia

95.2344, 0.3166, 0.3281

## **Tritanopia**

95.3654, 0.3079, 0.3242

# Trichromacy



## Original Color

95.3753, 0.3054, 0.3400

## Protanomaly

95.2396, 0.3149, 0.3368

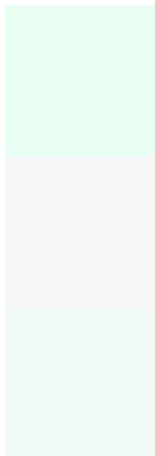
## Deuteranomaly

95.4839, 0.3125, 0.3329

## Tritanomaly

95.4631, 0.3071, 0.3300

# Monochromacy



## Original Color

95.3753, 0.3054, 0.3400

## Achromatopsia

93.0111, 0.3127, 0.3290

## Achromatomaly

93.9023, 0.3100, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.3753, 0.3054, 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(233, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 95.3753, 0.3054, 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(233, 255, 244) }
```

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

```
.border{ border-color:rgb(233, 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(233, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.3753, 0.3054, 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(233, 255, 244) }
```

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

```
.background{ background-color: rgb(233,  
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](#).

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