

# Converting Colors

$Y_{xy}(114.7182, 0.3023, 0.3592)$

Have a look what the booklet for  
Yxy(114.7182, 0.3023, 0.3592)  
contains.

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# Color

**Yxy(95.9775, 0.3021, 0.3329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAFFFF
RGB	234, 255, 251
RGB Percent	92%, 100%, 98%
CMY	0.0825, 0.0000, 0.0155
CMYK	0.08, 0.00, 0.02, 0.00
HSL	169°, 100%, 96%
HSV	169°, 8%, 100%
XYZ	87.0976, 95.9775, 105.2322
YIQ	248.2650, -11.2320, -5.6960

# Conversions

## Conversions Part 2

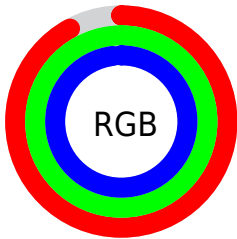
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	234, 246, 255
Decimal	15400955
CIE Lab	98.42, -7.55, -0.46
CIE LCh	98, 7.565, 183.468
Yxy	95.9775, 0.3021, 0.3329
Android (android.graphics.Color)	4293591035 (0xFFEAF <sup>FF</sup> B)
YUV	248.2650, 1.3484, -12.5104
Hunter-Lab	97.9681, -12.7504, 4.8915

# Details

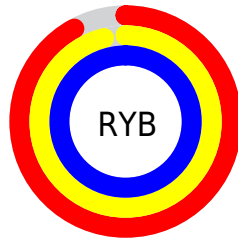
The Yxy color 95.9775, 0.3021, 0.3329 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.2485, 0.3245, 0.3252, and the grayscale version is 94.0845, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7933, 0.2994, 0.3328 is the 20% darker color. If you saturate the color by 10%, you get 91.6645, 0.2898, 0.3380, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

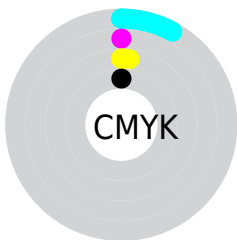
# Distribution



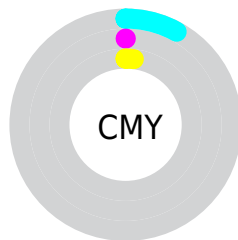
- Red (92%)
- Green (100%)
- Blue (98%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9775, 0.3021, 0.3329 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 95.9775, 0.3021, 0.3329 by changing the saturation by 10% instead.




 95.9775, 0.3021,  
0.3329

 95.9775, 0.3021,  
0.3329

547.2896, 0.3068,  
0.3312

 72.9488, 0.3011,  
0.3333


155.6144, 0.3037,  
0.3323

 53.9341, 0.2999,  
0.3337

192.9913, 0.3043,  
0.3321

 38.5490, 0.2983,  
0.3343


235.9199, 0.3048,  
0.3319

 26.4091, 0.2964,  
0.3350

284.7843, 0.3053,  
0.3317

 17.1299, 0.2939,  
0.3359

339.9692, 0.3057,  
0.3316

 10.3272, 0.2905,  
0.3371

401.8587, 0.3061,

 5.6164, 0.2855,

0.3314

0.3389

470.8374, 0.3065,  
0.3313

■ 2.6133, 0.2776,  
0.3417

■ 0.9333, 0.2614,  
0.3476

■ 95.9775, 0.3021,  
0.3329

■ 95.9775, 0.3021,  
0.3329

■ 91.6645, 0.2898,  
0.3380

100.0000, 0.3127,  
0.3290

■ 87.9589, 0.2782,  
0.3436

■ 84.8273, 0.2679,  
0.3497

■ 82.2389, 0.2589,  
0.3560

■ 80.1603, 0.2517,  
0.3627

■ 78.5540, 0.2463,  
0.3695

■ 77.3777, 0.2429,  
0.3764

■ 76.5811, 0.2415,  
0.3833

■ 76.0948, 0.2419,  
0.3901

# Harmonies

## Analogous

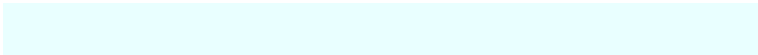
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9775, 0.3096, 0.3395



95.9775, 0.3021, 0.3329



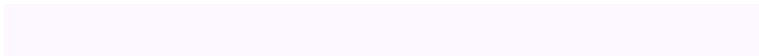
95.9775, 0.2975, 0.3253

# Triad

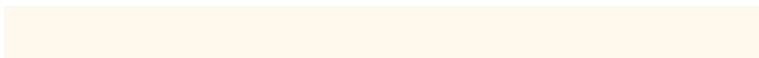
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.9775, 0.3021, 0.3329



95.9775, 0.3074, 0.3153



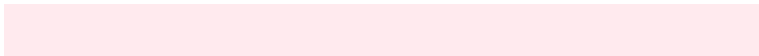
95.9775, 0.3288, 0.3389

# Complementary

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



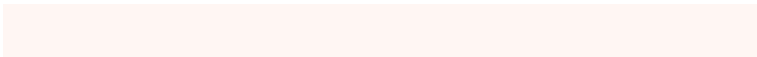
95.9775, 0.3021, 0.3329



86.2485, 0.3245, 0.3252

# 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.



95.9775, 0.3282, 0.3324



95.9775, 0.3021, 0.3329



95.9775, 0.3157, 0.3189

# Square

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



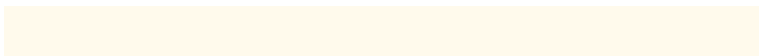
95.9775, 0.3021, 0.3329



95.9775, 0.3005, 0.3153



95.9775, 0.3234, 0.3251

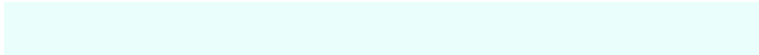


95.9775, 0.3250, 0.3429

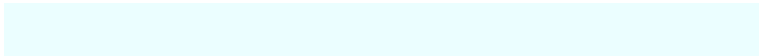


# Rectangle

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



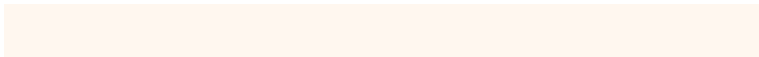
95.9775, 0.3021, 0.3329



95.9775, 0.2966, 0.3208



95.9775, 0.3234, 0.3251



95.9775, 0.3291, 0.3369

# Sweetspot

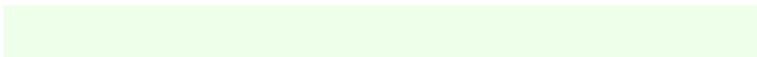
The Sweet Spot groups the original color and five complimentary colors.



95.9724, 0.3021, 0.3329



98.9838, 0.3101, 0.3299



95.6636, 0.3143, 0.3500



21.1973, 0.3102, 0.3299



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

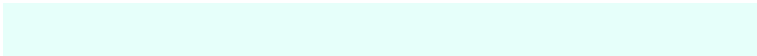


# Same Dimension

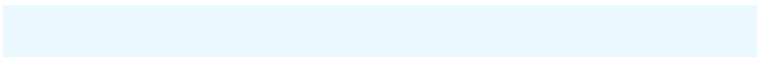
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9724, 0.3021, 0.3329



95.1751, 0.2999, 0.3338



92.2627, 0.2999, 0.3227



20.4194, 0.3005, 0.3335



39.7457, 0.2417, 0.3902



3.8843, 0.2396, 0.3824

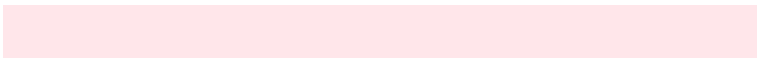


# Inverse Universe

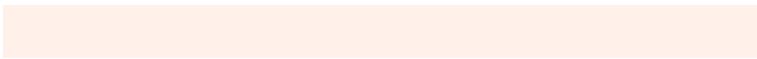
The Inverse Universe completely reimagines the original color for something new.



86.2485, 0.3245, 0.3252



83.5335, 0.3273, 0.3243



89.6766, 0.3264, 0.3352



18.0429, 0.3265, 0.3245



11.2362, 0.6110, 0.3140

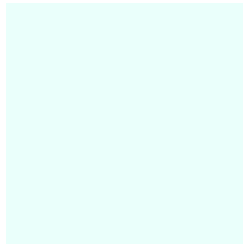


1.1082, 0.5818, 0.2979



# Previews

## White Background



This preview shows how the Yxy color 95.9775, 0.3021, 0.3329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

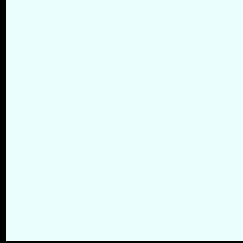
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9775, 0.3021, 0.3329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

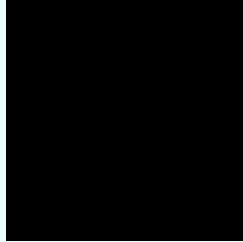
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

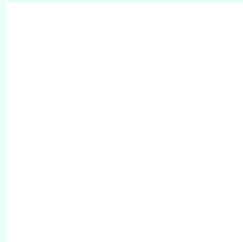
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.9775, 0.3021, 0.3329**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9775, 0.3021, 0.3329.



This preview shows how white text looks on a background with the Yxy color 95.9775, 0.3021, 0.3329.

# 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

95.9775, 0.3021, 0.3329



### Protanopia

95.7887, 0.3171, 0.3300

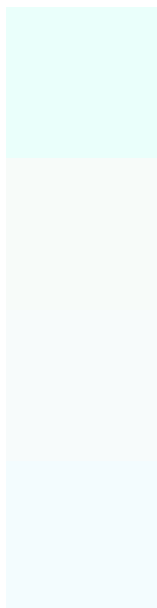
### Deuteranopia

95.9764, 0.3153, 0.3271

## **Tritanopia**

96.1708, 0.3085, 0.3251

# Trichromacy



## Original Color

95.9775, 0.3021, 0.3329

## Protanomaly

95.6081, 0.3114, 0.3309

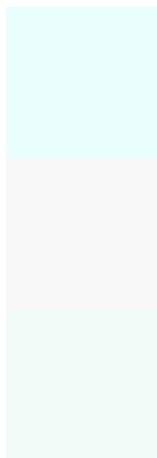
## Deuteranomaly

95.7336, 0.3102, 0.3290

## Tritanomaly

95.8313, 0.3060, 0.3270

# Monochromacy



## Original Color

95.9775, 0.3021, 0.3329

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.8886, 0.3089, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.9775, 0.3021, 0.3329 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(234, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 251)  
}
```

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(234, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 251) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9775, 0.3021, 0.3329 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(234, 255, 251) }
```

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

```
.border{ border-color:rgb(234, 255, 251) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
251) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9775, 0.3021, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 251) }
```

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

```
.background{ background-color: rgb(234,  
255, 251) }
```

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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