

# Converting Colors

$Y_{xy}(100.0000, 0.3024, 0.3404)$

Have a look what the booklet for  
Yxy(100.0000, 0.3024, 0.3404)  
contains.

<b>Yxy(95.7458, 0.3021, 0.3339)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(95.7458, 0.3021, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFFA
RGB	233, 255, 250
RGB Percent	91%, 100%, 98%
CMY	0.0862, 0.0000, 0.0195
CMYK	0.09, 0.00, 0.02, 0.00
HSL	166°, 100%, 96%
HSV	166°, 9%, 100%
XYZ	86.6272, 95.7458, 104.3770
YIQ	247.8520, -11.5070, -6.2190

# Conversions

## Conversions Part 2

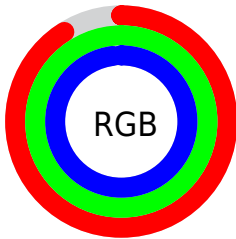
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	233, 245, 255
Decimal	15335418
CIE <sub>Lab</sub>	98.33, -8.03, -0.08
CIE <sub>LCh</sub>	98, 8.030, 180.567
Y <sub>xy</sub>	95.7458, 0.3021, 0.3339
Android (android.graphics.Color)	4293525498 (0xFFE9FFFA)
Y <sub>UV</sub>	247.8520, 1.0590, -13.0252
Hunter-Lab	97.8498, -13.2097, 5.2498

# Details

The Yxy color 95.7458, 0.3021, 0.3339 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.7220, 0.3245, 0.3242, and the grayscale version is 93.7466, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6303, 0.2994, 0.3340 is the 20% darker color. If you saturate the color by 10%, you get 91.4067, 0.2903, 0.3401, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

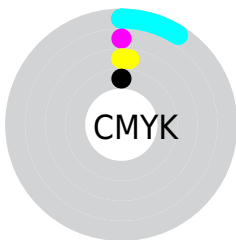
# Distribution



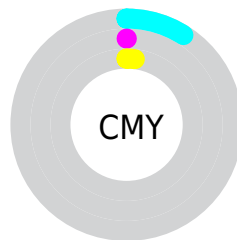
- Red (91%)
- Green (100%)
- Blue (98%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7458, 0.3021, 0.3339 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 95.7458, 0.3021, 0.3339 by changing the saturation by 10% instead.



 95.7458, 0.3021,  
0.3339

 95.7458, 0.3021,  
0.3339


546.5498, 0.3068,  
0.3318

 72.7559, 0.3011,  
0.3344


155.2946, 0.3037,  
0.3332

 53.7764, 0.2999,  
0.3349


192.6222, 0.3043,  
0.3329

 38.4229, 0.2983,  
0.3356


235.4978, 0.3049,  
0.3326

 26.3111, 0.2964,  
0.3365

284.3058, 0.3053,  
0.3324

 17.0565, 0.2939,  
0.3377

339.4306, 0.3058,  
0.3322

 10.2748, 0.2904,  
0.3393

401.2566, 0.3061,

 5.5815, 0.2854,

0.3321

0.3415

470.1682, 0.3065,  
0.3319

■ 2.5923, 0.2775,  
0.3452

■ 0.9228, 0.2604,  
0.3530

■ 95.7458, 0.3021,  
0.3339

■ 95.7458, 0.3021,  
0.3339

■ 91.4067, 0.2903,  
0.3401


99.9990, 0.3127,  
0.3290


■ 87.6683, 0.2792,  
0.3469


■ 84.5060, 0.2693,  
0.3543


■ 81.8890, 0.2607,  
0.3620

 79.7837, 0.2539,  
0.3701

 78.1526, 0.2489,  
0.3785

 76.9528, 0.2459,  
0.3870

 76.1337, 0.2449,  
0.3954

 75.6234, 0.2457,  
0.4038

# Harmonies

## Analogous

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



95.7458, 0.3102, 0.3407



95.7458, 0.3021, 0.3339



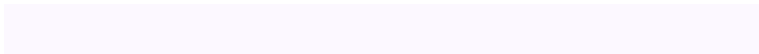
95.7458, 0.2969, 0.3258

# Triad

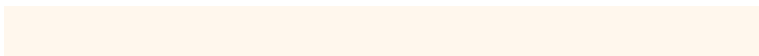
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7458, 0.3021, 0.3339



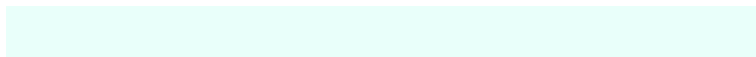
95.7458, 0.3062, 0.3143



95.7458, 0.3299, 0.3389

# Complementary

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



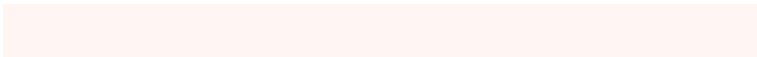
95.7458, 0.3021, 0.3339



85.7220, 0.3245, 0.3242

# 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.



95.7458, 0.3289, 0.3318



95.7458, 0.3021, 0.3339



95.7458, 0.3151, 0.3178

# Square

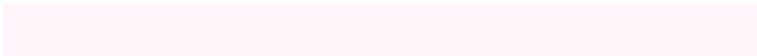
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



95.7458, 0.3021, 0.3339



95.7458, 0.2992, 0.3146



95.7458, 0.3234, 0.3241



95.7458, 0.3263, 0.3435

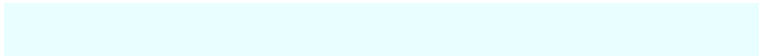


# Rectangle

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



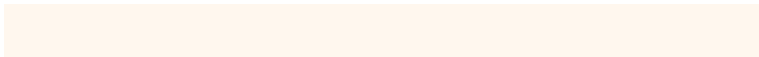
95.7458, 0.3021, 0.3339



95.7458, 0.2956, 0.3209



95.7458, 0.3234, 0.3241



95.7458, 0.3301, 0.3368

# Sweetspot

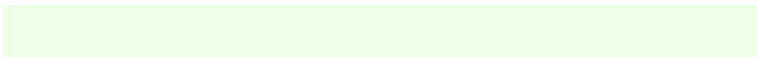
The Sweet Spot groups the original color and five complimentary colors.



95.7498, 0.3021, 0.3339



98.4669, 0.3090, 0.3307



95.6063, 0.3149, 0.3509



20.9904, 0.3080, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

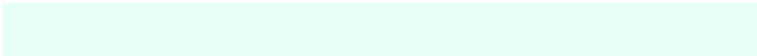


# Same Dimension

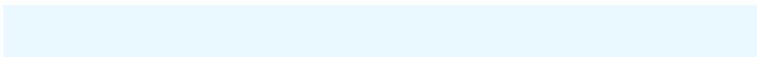
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7498, 0.3021, 0.3339



95.1143, 0.3004, 0.3347



92.3836, 0.2993, 0.3231



20.4070, 0.3010, 0.3344



39.5081, 0.2454, 0.4035



3.8632, 0.2428, 0.3940



# Inverse Universe

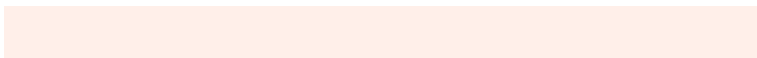
The Inverse Universe completely reimagines the original color for something new.



85.7220, 0.3245, 0.3242



83.5895, 0.3266, 0.3234



88.8077, 0.3272, 0.3348



18.0544, 0.3259, 0.3236



11.2853, 0.6007, 0.3083



1.1145, 0.5699, 0.2913



# Previews

## White Background



This preview shows how the Yxy color 95.7458, 0.3021, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

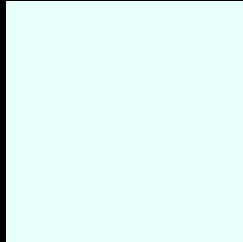
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.7458, 0.3021, 0.3339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

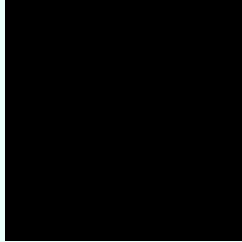
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

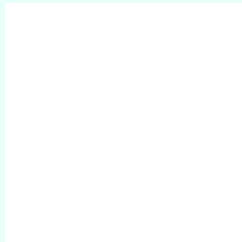
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.7458, 0.3021, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.7458, 0.3021, 0.3339.

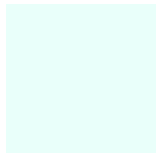


This preview shows how white text looks on a background with the Yxy color 95.7458, 0.3021, 0.3339.

# Color Blindness Simulation

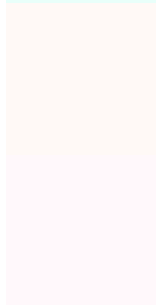
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

95.7458, 0.3021, 0.3339



### Protanopia

95.6652, 0.3183, 0.3319



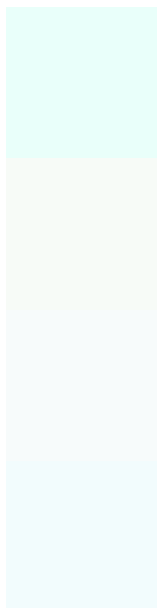
### Deuteranopia

95.3598, 0.3154, 0.3261

## **Tritanopia**

95.3654, 0.3079, 0.3242

# Trichromacy



## Original Color

95.7458, 0.3021, 0.3339

## Protanomaly

95.4839, 0.3125, 0.3329

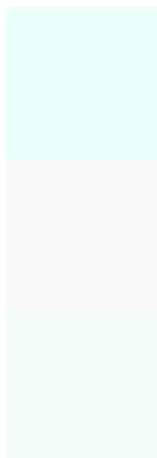
## Deuteranomaly

95.7336, 0.3102, 0.3290

## Tritanomaly

95.5899, 0.3059, 0.3280

# Monochromacy



## Original Color

95.7458, 0.3021, 0.3339

## 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 95.7458, 0.3021, 0.3339 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 95.7458, 0.3021, 0.3339 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, 250) }
```

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

```
.border{ border-color:rgb(233, 255, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.7458, 0.3021, 0.3339 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, 250) }
```

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

```
.background{ background-color: rgb(233,  
255, 250) }
```

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