

# Converting Colors

$Yxy(97.0752, 0.3082, 0.3356)$

Have a look what the booklet for  
Yxy(97.0752, 0.3082, 0.3356)  
contains.

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# Color

**Yxy(96.9981, 0.3081, 0.3358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFF8
RGB	241, 255, 248
RGB Percent	95%, 100%, 97%
CMY	0.0547, 0.0000, 0.0273
CMYK	0.05, 0.00, 0.03, 0.00
HSL	150°, 100%, 97%
HSV	150°, 5%, 100%
XYZ	88.9968, 96.9981, 102.8619
YIQ	250.0160, -6.0970, -5.1450

# Conversions

## Conversions Part 2

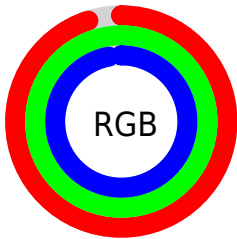
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 250, 255
Decimal	15859704
CIE Lab	98.83, -5.79, 1.74
CIE LCh	99, 6.043, 163.314
Yxy	96.9981, 0.3081, 0.3358
Android (android.graphics.Color)	4294049784 (0xFFFF1FFF8)
YUV	250.0160, -0.9939, -7.9070
Hunter-Lab	98.4876, -11.0546, 7.0180

# Details

The Yxy color 96.9981, 0.3081, 0.3358 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.9810, 0.3176, 0.3223, and the grayscale version is 95.6351, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5082, 0.3069, 0.3365 is the 20% darker color. If you saturate the color by 10%, you get 92.0591, 0.2998, 0.3494, and if you desaturate by 10%, it is 99.9920, 0.3127, 0.3290.

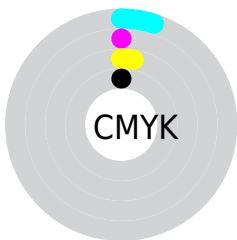
# Distribution



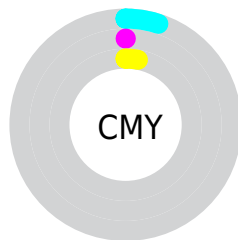
- Red (95%)
- Green (100%)
- Blue (97%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.9981, 0.3081, 0.3358 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 96.9981, 0.3081, 0.3358 by changing the saturation by 10% instead.



 96.9981, 0.3081,  
0.3358

 96.9981, 0.3081,  
0.3358


550.5421, 0.3101,  
0.3328

 73.7991, 0.3077,  
0.3365


157.0222, 0.3088,  
0.3348

 54.6296, 0.3071,  
0.3372

194.6161, 0.3091,  
0.3344

 39.1053, 0.3064,  
0.3382


237.7771, 0.3093,  
0.3340

 26.8416, 0.3056,  
0.3395


286.8895, 0.3095,  
0.3337

 17.4543, 0.3045,  
0.3411

342.3379, 0.3097,  
0.3335

 10.5589, 0.3030,  
0.3434

404.5065, 0.3099,

 5.7711, 0.3008,

0.3332

0.3467

473.7797, 0.3100,  
0.3330

■ 2.7064, 0.2972,  
0.3519

■ 0.9804, 0.2905,  
0.3617

■ 96.9981, 0.3081,  
0.3358

■ 96.9981, 0.3081,  
0.3358


■ 92.0591, 0.2998,  
0.3494


99.9920, 0.3127,  
0.3290


■ 87.7709, 0.2918,  
0.3645


■ 84.1087, 0.2845,  
0.3811


■ 81.0416, 0.2782,  
0.3991

 78.5357, 0.2732,  
0.4181

 76.5537, 0.2699,  
0.4378

 75.0535, 0.2685,  
0.4577

 73.9863, 0.2691,  
0.4772

 73.2918, 0.2717,  
0.4958

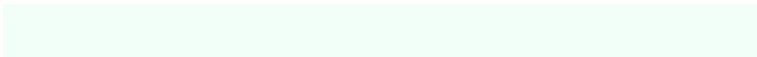
# Harmonies

## Analogous

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



96.9981, 0.3147, 0.3396



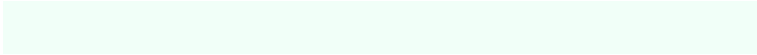
96.9981, 0.3081, 0.3358



96.9981, 0.3027, 0.3301

# Triad

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



96.9981, 0.3081, 0.3358



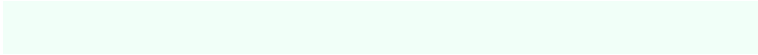
96.9981, 0.3046, 0.3177



96.9981, 0.3256, 0.3336

# Complementary

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



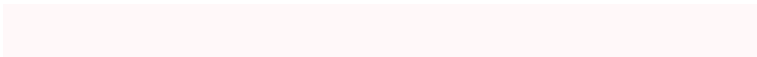
96.9981, 0.3081, 0.3358



90.9810, 0.3176, 0.3223

# 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.



96.9981, 0.3228, 0.3278



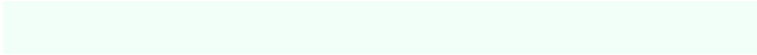
96.9981, 0.3081, 0.3358



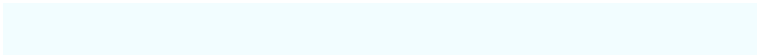
96.9981, 0.3106, 0.3187

# Square

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



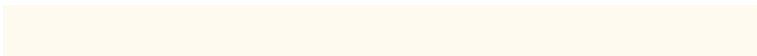
96.9981, 0.3081, 0.3358



96.9981, 0.3007, 0.3197



96.9981, 0.3173, 0.3224

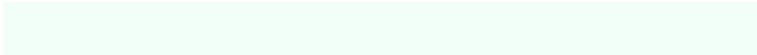


96.9981, 0.3249, 0.3382

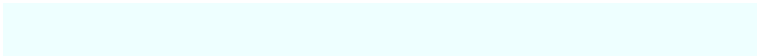


# Rectangle

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



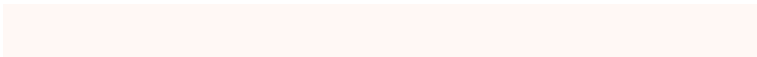
96.9981, 0.3081, 0.3358



96.9981, 0.3006, 0.3261



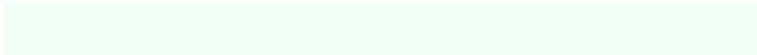
96.9981, 0.3173, 0.3224



96.9981, 0.3250, 0.3317

# Sweetspot

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



97.0022, 0.3081, 0.3358



98.8825, 0.3110, 0.3314



97.8270, 0.3164, 0.3426



21.1766, 0.3111, 0.3313



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.



97.0022, 0.3081, 0.3358



96.2094, 0.3068, 0.3378



97.4422, 0.3042, 0.3290



20.5262, 0.3063, 0.3386



38.2102, 0.2725, 0.5010



3.7424, 0.2667, 0.4802



# Inverse Universe

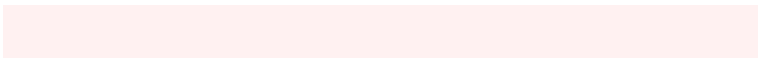
The Inverse Universe completely reimagines the original color for something new.



90.9810, 0.3176, 0.3223



88.5731, 0.3191, 0.3204



90.5571, 0.3219, 0.3290



18.7581, 0.3196, 0.3196



11.9446, 0.4967, 0.2510

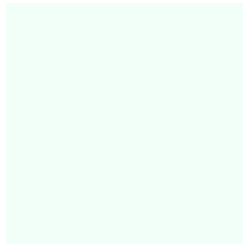


1.1851, 0.4712, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 96.9981, 0.3081, 0.3358 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

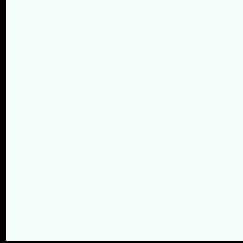
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.9981, 0.3081, 0.3358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

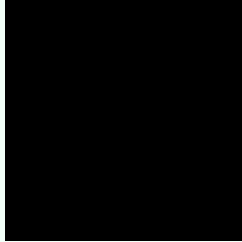
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.9981, 0.3081, 0.3358**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.9981, 0.3081, 0.3358.

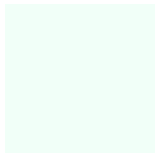


This preview shows how white text looks on a background with the Yxy color 96.9981, 0.3081, 0.3358.

# 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

96.9981, 0.3081, 0.3358



### Protanopia

97.0317, 0.3170, 0.3319

### Deuteranopia

96.5962, 0.3153, 0.3281

## **Tritanopia**

96.5384, 0.3098, 0.3252

# Trichromacy



**Original Color**

96.9981, 0.3081, 0.3358

**Protanomaly**

96.7221, 0.3138, 0.3329

**Deuteranomaly**

96.8469, 0.3126, 0.3309

**Tritanomaly**

96.4232, 0.3096, 0.3290

# Monochromacy



**Original Color**

96.9981, 0.3081, 0.3358

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.2345, 0.3113, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.9981, 0.3081, 0.3358 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(241, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 248)  
}
```

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(241, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 96.9981, 0.3081, 0.3358 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(241, 255, 248) }
```

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

```
.border{ border-color:rgb(241, 255, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 255, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.9981, 0.3081, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 248) }
```

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

```
.background{ background-color: rgb(241,  
255, 248) }
```

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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