

# Converting Colors

$Yxy(97.8541, 0.3118, 0.3367)$

Have a look what the booklet for  
Yxy(97.8541, 0.3118, 0.3367)  
contains.

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# Color

**Yxy(97.8282, 0.3117, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFF7
RGB	246, 255, 247
RGB Percent	96%, 100%, 97%
CMY	0.0355, 0.0000, 0.0314
CMYK	0.04, 0.00, 0.03, 0.00
HSL	127°, 100%, 98%
HSV	127°, 4%, 100%
XYZ	90.5376, 97.8282, 102.0980
YIQ	251.3970, -2.7960, -4.3960

# Conversions

## Conversions Part 2

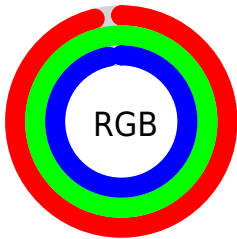
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 254, 255
Decimal	16187383
CIE Lab	99.15, -4.39, 2.79
CIE LCh	99, 5.199, 147.605
Yxy	97.8282, 0.3117, 0.3368
Android (android.graphics.Color)	4294377463 (0xFF6FFF7)
YUV	251.3970, -2.1677, -4.7332
Hunter-Lab	98.9081, -9.6957, 8.0335

# Details

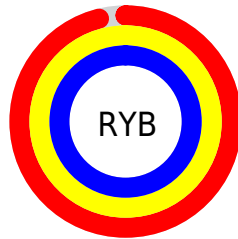
The Yxy color 97.8282, 0.3117, 0.3368 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 94.2885, 0.3137, 0.3213, and the grayscale version is 96.8197, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.0969, 0.3115, 0.3377 is the 20% darker color. If you saturate the color by 10%, you get 92.2107, 0.3088, 0.3607, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

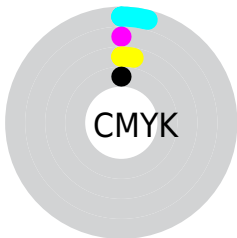
# Distribution



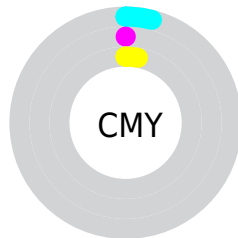
- Red (96%)
- Green (100%)
- Blue (97%)



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



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.8282, 0.3117, 0.3368 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 97.8282, 0.3117, 0.3368 by changing the saturation by 10% instead.




 97.8282, 0.3117,  
0.3368

 97.8282, 0.3117,  
0.3368


553.1801, 0.3122,  
0.3334

 74.4911, 0.3116,  
0.3375

158.1662, 0.3119,  
0.3356

 55.1961, 0.3115,  
0.3385


195.9358, 0.3119,  
0.3352

 39.5587, 0.3113,  
0.3396

239.2851, 0.3120,  
0.3348

 27.1947, 0.3111,  
0.3410

288.5984, 0.3120,  
0.3344

 17.7195, 0.3109,  
0.3429

344.2602, 0.3121,  
0.3341

 10.7488, 0.3105,  
0.3455

406.6548, 0.3121,

 5.8982, 0.3099,

0.3338

0.3492

476.1666, 0.3121,  
0.3336

■ 2.7833, 0.3091,  
0.3551

■ 1.0197, 0.3075,  
0.3662

■ 97.8282, 0.3117,  
0.3368

■ 97.8282, 0.3117,  
0.3368

■ 92.2107, 0.3088,  
0.3607

100.0000, 0.3127,  
0.3290

■ 87.3739, 0.3058,  
0.3878

■ 83.2730, 0.3029,  
0.4176

■ 79.8719, 0.3002,  
0.4497

■ 77.1312, 0.2980,  
0.4828

■ 75.0078, 0.2965,  
0.5150

■ 73.4532, 0.2958,  
0.5444

■ 72.4118, 0.2961,  
0.5685

■ 71.8166, 0.2972,  
0.5858

# Harmonies

## Analogous

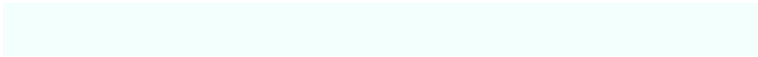
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.8282, 0.3174, 0.3388



97.8282, 0.3117, 0.3368



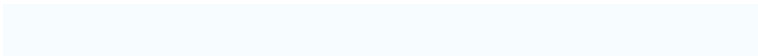
97.8282, 0.3063, 0.3326

# Triad

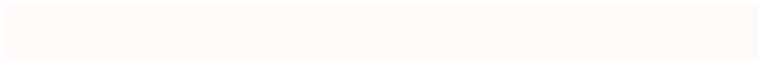
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.8282, 0.3117, 0.3368



97.8282, 0.3037, 0.3199



97.8282, 0.3228, 0.3304

# Complementary

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



97.8282, 0.3117, 0.3368



94.2885, 0.3137, 0.3213

# 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.



97.8282, 0.3191, 0.3254



97.8282, 0.3117, 0.3368



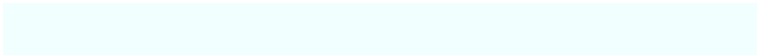
97.8282, 0.3080, 0.3194

# Square

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



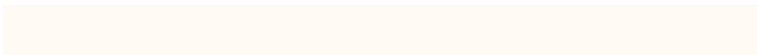
97.8282, 0.3117, 0.3368



97.8282, 0.3017, 0.3229



97.8282, 0.3137, 0.3214



97.8282, 0.3238, 0.3350

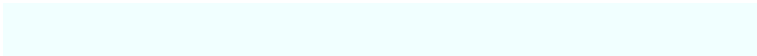


# Rectangle

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



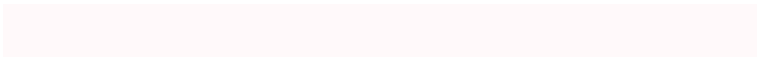
97.8282, 0.3117, 0.3368



97.8282, 0.3037, 0.3293



97.8282, 0.3137, 0.3214



97.8282, 0.3219, 0.3287

# Sweetspot

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



97.8171, 0.3117, 0.3368



99.3752, 0.3124, 0.3312



99.2588, 0.3174, 0.3377



21.2770, 0.3124, 0.3310



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.



97.8171, 0.3117, 0.3368



97.5492, 0.3116, 0.3378



98.0911, 0.3092, 0.3325



20.7840, 0.3114, 0.3395



37.4293, 0.2977, 0.5917

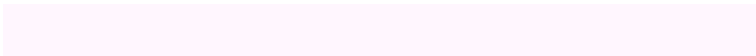


3.6548, 0.2936, 0.5770



# Inverse Universe

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



94.2885, 0.3137, 0.3213



93.5880, 0.3139, 0.3204



94.0108, 0.3164, 0.3255



19.7817, 0.3141, 0.3187



13.9767, 0.3526, 0.1716



1.3707, 0.3484, 0.1693



# Previews

## White Background



This preview shows how the Yxy color 97.8282, 0.3117, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

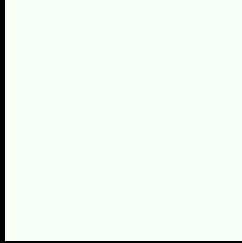
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.8282, 0.3117, 0.3368 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 97.8282, 0.3117, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.8282, 0.3117, 0.3368.



This preview shows how white text looks on a background with the Yxy color 97.8282, 0.3117, 0.3368.

# 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



The image shows three vertical color swatches. The top swatch is a light green, representing the 'Original Color'. The middle swatch is a light orange, representing 'Protanopia'. The bottom swatch is a light yellow, representing 'Deuteranopia'. To the right of each swatch is its corresponding label and a set of three numerical values in blue text.

**Original Color**

97.8282, 0.3117, 0.3368

**Protanopia**

97.7204, 0.3164, 0.3319

**Deuteranopia**

97.9091, 0.3146, 0.3290

## **Tritanopia**

97.5363, 0.3110, 0.3261

# Trichromacy



**Original Color**

97.8282, 0.3117, 0.3368

**Protanomaly**

97.7233, 0.3150, 0.3338

**Deuteranomaly**

97.8481, 0.3138, 0.3319

**Tritanomaly**

97.6028, 0.3114, 0.3300

# Monochromacy



**Original Color**

97.8282, 0.3117, 0.3368



**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.6627, 0.3120, 0.3309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.8282, 0.3117, 0.3368 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(246, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 247)  
}
```

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(246, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 97.8282, 0.3117, 0.3368 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(246, 255, 247) }
```

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

```
.border{ border-color:rgb(246, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.8282, 0.3117, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 247) }
```

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

```
.background{ background-color: rgb(246,  
255, 247) }
```

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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