

# Converting Colors

$Yxy(96.0518, 0.3178, 0.3407)$

Have a look what the booklet for  
Yxy(96.0518, 0.3178, 0.3407)  
contains.

<b>Yxy(96.0518, 0.3178, 0.3407)</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(96.0518, 0.3178, 0.3407)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FCF0
RGB	249, 252, 240
RGB Percent	98%, 99%, 94%
CMY	0.0237, 0.0117, 0.0587
CMYK	0.01, 0.00, 0.05, 0.01
HSL	75°, 67%, 96%
HSV	75°, 5%, 99%
XYZ	89.5957, 96.0518, 96.2773
YIQ	249.7350, 2.0640, -4.3680

# Conversions

## Conversions Part 2

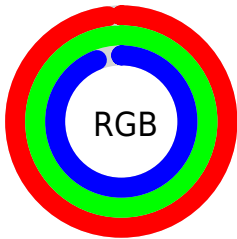
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 252, 243
Decimal	16383216
CIE Lab	98.45, -3.08, 5.37
CIE LCh	98, 6.189, 119.831
Yxy	96.0518, 0.3178, 0.3407
Android (android.graphics.Color)	4294573296 (0xFFFF9FCF0)
<b>YUV</b>	249.7350, -4.7994, -0.6446
Hunter-Lab	98.0060, -8.3284, 10.3600

# Details

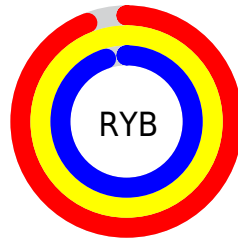
The Yxy color 96.0518, 0.3178, 0.3407 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4387, 0.3075, 0.3172, and the grayscale version is 95.4057, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8284, 0.3193, 0.3427 is the 20% darker color. If you saturate the color by 10%, you get 93.4965, 0.3286, 0.3664, and if you desaturate by 10%, it is 98.1120, 0.3128, 0.3262.

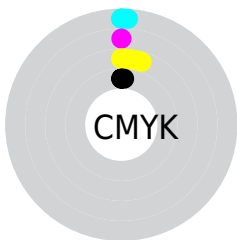
# Distribution



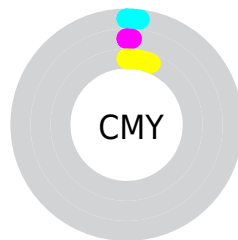
- Red (98%)
- Green (99%)
- Blue (94%)



- Red (94%)
- Yellow (99%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)




- Cyan (2%)
- Magenta (1%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0518, 0.3178, 0.3407 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 96.0518, 0.3178, 0.3407 by changing the saturation by 10% instead.



 96.0518, 0.3178,  
0.3407

 96.0518, 0.3178,  
0.3407

547.5267, 0.3156,  
0.3355

 73.0107, 0.3183,  
0.3418

155.7169, 0.3171,  
0.3389

 53.9847, 0.3189,  
0.3432


193.1097, 0.3168,  
0.3383

 38.5894, 0.3196,  
0.3449


236.0552, 0.3165,  
0.3377

 26.4405, 0.3205,  
0.3471

284.9378, 0.3163,  
0.3371

 17.1535, 0.3217,  
0.3499

340.1418, 0.3161,  
0.3367

 10.3440, 0.3233,  
0.3539

402.0517, 0.3159,

 5.6276, 0.3256,

0.3362

0.3596

471.0519, 0.3157,  
0.3359

■ 2.6200, 0.3291,  
0.3687

■ 0.9367, 0.3401,  
0.3912

■ 96.0518, 0.3178,  
0.3407

■ 96.0518, 0.3178,  
0.3407

■ 93.4965, 0.3286,  
0.3664

■ 98.1120, 0.3128,  
0.3262

■ 91.1769, 0.3394,  
0.3933

■ 89.0874, 0.3497,  
0.4207

■ 87.2179, 0.3591,  
0.4476

■ 85.5573, 0.3670,  
0.4730

■ 84.0933, 0.3729,  
0.4956

■ 82.8122, 0.3764,  
0.5144

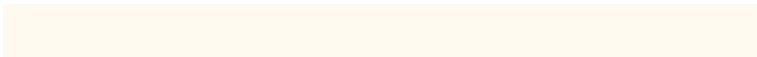
■ 81.6980, 0.3772,  
0.5286

■ 80.7312, 0.3755,  
0.5379

# Harmonies

## Analogous

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



96.0518, 0.3233, 0.3401



96.0518, 0.3178, 0.3407



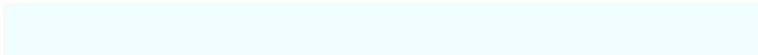
96.0518, 0.3110, 0.3381

# Triad

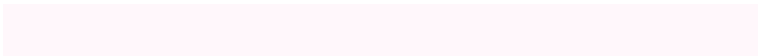
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.0518, 0.3178, 0.3407



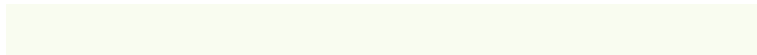
96.0518, 0.2996, 0.3213



96.0518, 0.3208, 0.3251

# Complementary

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



96.0518, 0.3178, 0.3407



88.4387, 0.3075, 0.3172

# 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.



96.0518, 0.3144, 0.3202



96.0518, 0.3178, 0.3407



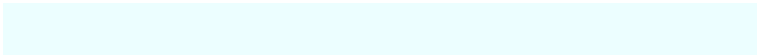
96.0518, 0.3022, 0.3180

# Square

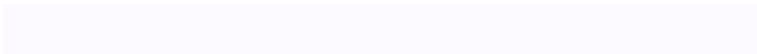
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



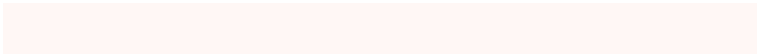
96.0518, 0.3178, 0.3407



96.0518, 0.3005, 0.3268



96.0518, 0.3076, 0.3176



96.0518, 0.3251, 0.3311



# Rectangle

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



96.0518, 0.3178, 0.3407



96.0518, 0.3066, 0.3348



96.0518, 0.3076, 0.3176



96.0518, 0.3188, 0.3233

# Sweetspot

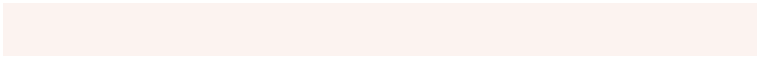
The Sweet Spot groups the original color and five complimentary colors.



96.0560, 0.3178, 0.3407



99.7134, 0.3138, 0.3314



91.1089, 0.3204, 0.3320



21.3458, 0.3137, 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.



96.0560, 0.3178, 0.3407



98.3189, 0.3191, 0.3438



94.9845, 0.3140, 0.3408



20.1101, 0.3198, 0.3454



41.8803, 0.3747, 0.5407



3.9293, 0.3802, 0.5363



# Inverse Universe

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



88.4387, 0.3075, 0.3172



88.5276, 0.3060, 0.3140



89.5105, 0.3113, 0.3173



17.8996, 0.3053, 0.3123



4.2958, 0.1650, 0.0683

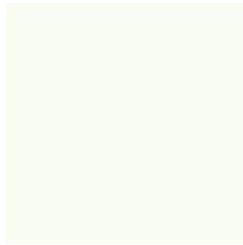


0.4462, 0.1766, 0.0747



# Previews

## White Background



This preview shows how the Yxy color 96.0518, 0.3178, 0.3407 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 96.0518, 0.3178, 0.3407 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

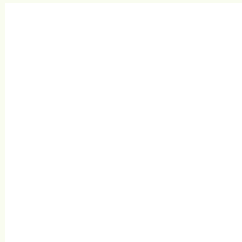
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.0518, 0.3178, 0.3407**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.0518, 0.3178, 0.3407.

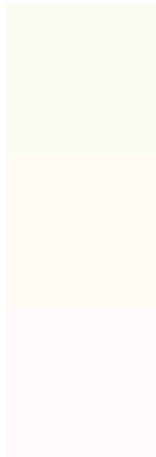


This preview shows how white text looks on a background with the Yxy color 96.0518, 0.3178, 0.3407.

# 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

96.0518, 0.3178, 0.3407

### Protanopia

96.1023, 0.3200, 0.3358

### Deuteranopia

95.8509, 0.3165, 0.3290

## **Tritanopia**

96.1004, 0.3104, 0.3242

# Trichromacy



**Original Color**

96.0518, 0.3178, 0.3407

**Protanomaly**

96.2878, 0.3193, 0.3377

**Deuteranomaly**

95.9077, 0.3170, 0.3329

**Tritanomaly**

96.2205, 0.3127, 0.3300

# Monochromacy



**Original Color**

96.0518, 0.3178, 0.3407

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

95.9722, 0.3150, 0.3339

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  96.0518, 0.3178, 0.3407 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(249, 252, 240)` looks like.

```
.text, #text, p{  
    color:rgb(249, 252, 240)  
}
```

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(249, 252, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 252, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 96.0518, 0.3178, 0.3407 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(249, 252, 240) }
```

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

```
.border{ border-color:rgb(249, 252, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 252, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 252, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 252, 240);  
box-shadow:4px 4px 4px 4px rgb(249, 252,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.0518, 0.3178, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 252, 240) }
```

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

```
.background{ background-color: rgb(249,  
252, 240) }
```

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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