

# Converting Colors

$Y_{xy}(100.0000, 0.3134, 0.3524)$

Have a look what the booklet for  
Yxy(100.0000, 0.3134, 0.3524)  
contains.

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# Color

**Yxy(96.1597, 0.3137, 0.3468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFED
RGB	240, 255, 237
RGB Percent	94%, 100%, 93%
CMY	0.0589, 0.0000, 0.0704
CMYK	0.06, 0.00, 0.07, 0.00
HSL	110°, 100%, 96%
HSV	110°, 7%, 100%
XYZ	86.9818, 96.1597, 94.1356
YIQ	248.4630, -3.1620, -8.7780

# Conversions

## Conversions Part 2

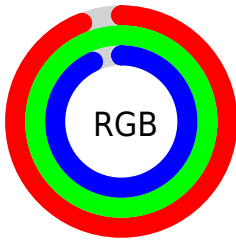
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 255, 252
Decimal	15794157
CIE <sub>Lab</sub>	98.50, -8.08, 6.88
CIE <sub>LCh</sub>	98, 10.609, 139.591
Yxy	96.1597, 0.3137, 0.3468
Android (android.graphics.Color)	4293984237 (0xFFFF0FFED)
YUV	248.4630, -5.6513, -7.4221
Hunter-Lab	98.0611, -13.2743, 11.7262

# Details

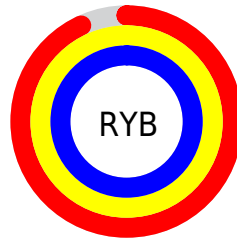
The Yxy color 96.1597, 0.3137, 0.3468 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.5275, 0.3116, 0.3116, and the grayscale version is 94.3162, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.9147, 0.3141, 0.3506 is the 20% darker color. If you saturate the color by 10%, you get 91.2553, 0.3149, 0.3747, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

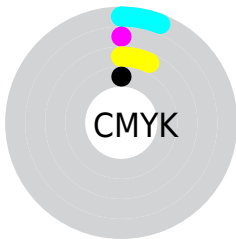
# Distribution



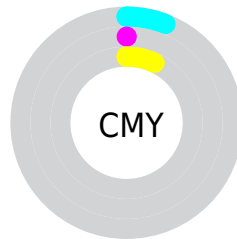
- Red (94%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (99%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.1597, 0.3137, 0.3468 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 96.1597, 0.3137, 0.3468 by changing the saturation by 10% instead.




 96.1597, 0.3137,  
0.3468

 96.1597, 0.3137,  
0.3468

547.8710, 0.3133,  
0.3389

 73.1006, 0.3138,  
0.3485


155.8658, 0.3136,  
0.3441

 54.0582, 0.3139,  
0.3507


193.2816, 0.3135,  
0.3430

 38.6482, 0.3140,  
0.3533


236.2517, 0.3135,  
0.3421

 26.4862, 0.3141,  
0.3567

285.1605, 0.3134,  
0.3413

 17.1877, 0.3142,  
0.3611

340.3924, 0.3134,  
0.3406

 10.3684, 0.3143,  
0.3673

402.3319, 0.3134,

 5.6439, 0.3144,

0.3400

0.3764

471.3633, 0.3133,  
0.3394

■ 2.6298, 0.3144,  
0.3911

■ 0.9417, 0.3194,  
0.4316

■ 96.1597, 0.3137,  
0.3468

■ 96.1597, 0.3137,  
0.3468

■ 91.2553, 0.3149,  
0.3747

100.0000, 0.3127,  
0.3290

■ 86.9784, 0.3159,  
0.4057

■ 83.3031, 0.3164,  
0.4389

■ 80.2020, 0.3163,  
0.4735

■ 77.6456, 0.3155,  
0.5076

■ 75.6019, 0.3139,  
0.5388

■ 74.0352, 0.3114,  
0.5649

■ 72.9050, 0.3083,  
0.5837

■ 72.1631, 0.3050,  
0.5945

# Harmonies

## Analogous

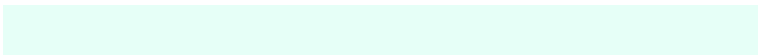
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1597, 0.3250, 0.3494



96.1597, 0.3137, 0.3468



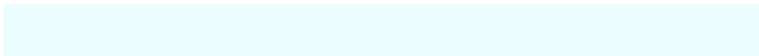
96.1597, 0.3023, 0.3391

# Triad

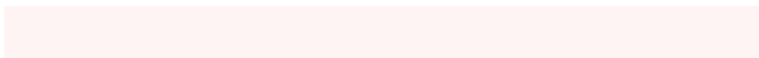
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1597, 0.3137, 0.3468



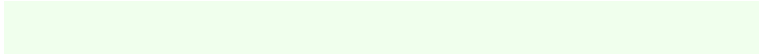
96.1597, 0.2926, 0.3115



96.1597, 0.3320, 0.3289

# Complementary

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



96.1597, 0.3137, 0.3468



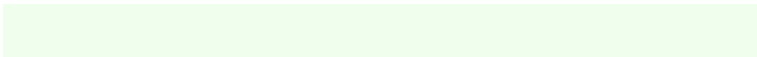
88.5275, 0.3116, 0.3116

# Split Complementary

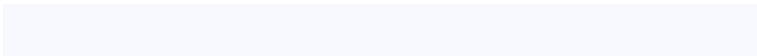
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1597, 0.3230, 0.3192



96.1597, 0.3137, 0.3468



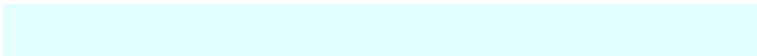
96.1597, 0.3003, 0.3092

# Square

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



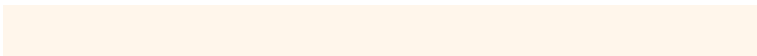
96.1597, 0.3137, 0.3468



96.1597, 0.2903, 0.3185



96.1597, 0.3114, 0.3121



96.1597, 0.3357, 0.3388



# Rectangle

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



96.1597, 0.3137, 0.3468



96.1597, 0.2961, 0.3323



96.1597, 0.3114, 0.3121



96.1597, 0.3295, 0.3255

# Sweetspot

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



96.1593, 0.3137, 0.3468



98.8754, 0.3130, 0.3339



97.0038, 0.3234, 0.3435



21.1752, 0.3130, 0.3337



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.



96.1593, 0.3137, 0.3468



95.6598, 0.3138, 0.3493



96.0067, 0.3085, 0.3409



20.3104, 0.3140, 0.3534



37.6652, 0.3048, 0.5962



3.7058, 0.3110, 0.5912



# Inverse Universe

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



88.5275, 0.3116, 0.3116



87.0421, 0.3114, 0.3092



88.6993, 0.3172, 0.3174



18.1415, 0.3112, 0.3054



11.2510, 0.2799, 0.1315

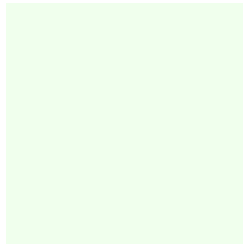


1.1337, 0.2848, 0.1343



# Previews

## White Background



This preview shows how the Yxy color 96.1597, 0.3137, 0.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

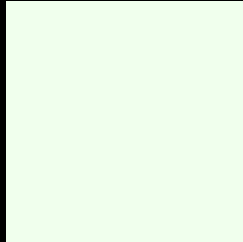
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.1597, 0.3137, 0.3468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

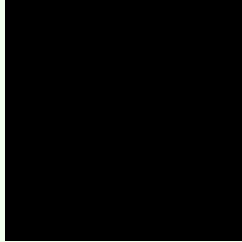
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

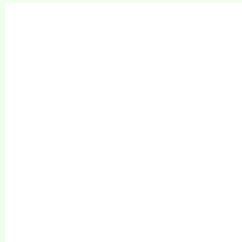
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.1597, 0.3137, 0.3468**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.1597, 0.3137, 0.3468.



This preview shows how white text looks on a background with the Yxy color 96.1597, 0.3137, 0.3468.

# 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

96.1597, 0.3137, 0.3468

### Protanopia

96.0420, 0.3206, 0.3367

### Deuteranopia

95.8509, 0.3165, 0.3290

## **Tritanopia**

95.7310, 0.3092, 0.3242

# Trichromacy



## Original Color

96.1597, 0.3137, 0.3468

## Protanomaly

96.2361, 0.3185, 0.3407

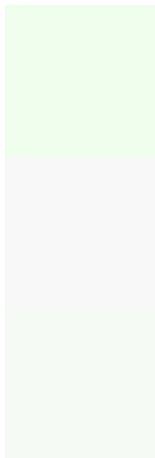
## Deuteranomaly

95.9109, 0.3156, 0.3348

## Tritanomaly

95.9909, 0.3113, 0.3329

# Monochromacy



## Original Color

96.1597, 0.3137, 0.3468

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.9385, 0.3130, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.1597, 0.3137, 0.3468 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(240, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 237)  
}
```

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(240, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 96.1597, 0.3137, 0.3468 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(240, 255, 237) }
```

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

```
.border{ border-color:rgb(240, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.1597, 0.3137, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 237) }
```

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

```
.background{ background-color: rgb(240,  
255, 237) }
```

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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