

# Converting Colors

$Y_{xy}(100.0000, 0.3144, 0.3513)$

Have a look what the booklet for  
Yxy(100.0000, 0.3144, 0.3513)  
contains.

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# Color

**Yxy(96.5703, 0.3144, 0.3458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFEE
RGB	242, 255, 238
RGB Percent	95%, 100%, 93%
CMY	0.0511, 0.0000, 0.0667
CMYK	0.05, 0.00, 0.07, 0.00
HSL	106°, 100%, 97%
HSV	106°, 7%, 100%
XYZ	87.8013, 96.5703, 94.8947
YIQ	249.1750, -2.2910, -8.0430

# Conversions

## Conversions Part 2

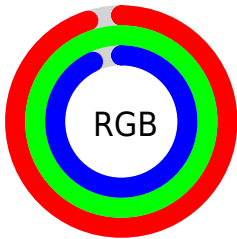
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 255, 251
Decimal	15925230
CIE <sub>Lab</sub>	98.66, -7.26, 6.65
CIE <sub>LCh</sub>	99, 9.843, 137.523
Yxy	96.5703, 0.3144, 0.3458
Android (android.graphics.Color)	4294115310 (0xFF2FFEE)
YUV	249.1750, -5.5093, -6.2925
Hunter-Lab	98.2702, -12.4887, 11.5357

# Details

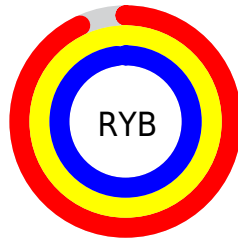
The Yxy color 96.5703, 0.3144, 0.3458 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8790, 0.3109, 0.3125, and the grayscale version is 94.9209, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2047, 0.3149, 0.3492 is the 20% darker color. If you saturate the color by 10%, you get 91.8961, 0.3168, 0.3734, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

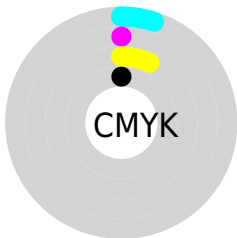
# Distribution



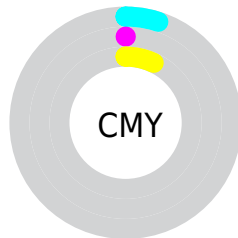
- Red (95%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (98%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.5703, 0.3144, 0.3458 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 96.5703, 0.3144, 0.3458 by changing the saturation by 10% instead.




 96.5703, 0.3144,  
0.3458

 96.5703, 0.3144,  
0.3458


549.1800, 0.3137,  
0.3383

 73.4426, 0.3145,  
0.3474


156.4323, 0.3142,  
0.3433

 54.3380, 0.3147,  
0.3494


193.9353, 0.3141,  
0.3423

 38.8719, 0.3149,  
0.3519


236.9990, 0.3140,  
0.3414

 26.6601, 0.3152,  
0.3551

286.0076, 0.3139,  
0.3406

 17.3181, 0.3155,  
0.3593

341.3457, 0.3139,  
0.3400

 10.4616, 0.3158,  
0.3650

403.3975, 0.3138,

 5.7060, 0.3163,

0.3394

0.3735

472.5475, 0.3138,  
0.3388

■ 2.6672, 0.3169,  
0.3872

■ 0.9606, 0.3228,  
0.4225

■ 96.5703, 0.3144,  
0.3458

■ 96.5703, 0.3144,  
0.3458

■ 91.8961, 0.3168,  
0.3734

100.0000, 0.3127,  
0.3290

■ 87.7889, 0.3189,  
0.4038

■ 84.2213, 0.3204,  
0.4363

■ 81.1702, 0.3213,  
0.4701

■ 78.6107, 0.3211,  
0.5033

■ 76.5160, 0.3198,  
0.5340

■ 74.8562, 0.3172,  
0.5599

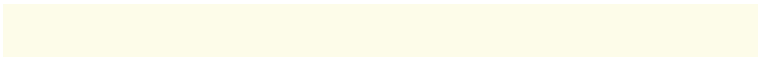
■ 73.5978, 0.3136,  
0.5792

■ 72.7011, 0.3094,  
0.5909

# Harmonies

## Analogous

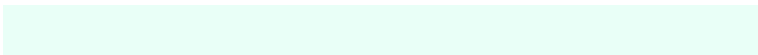
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5703, 0.3247, 0.3479



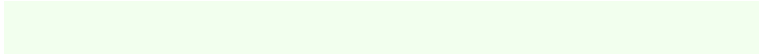
96.5703, 0.3144, 0.3458



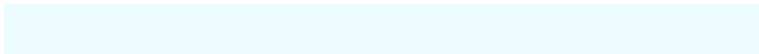
96.5703, 0.3037, 0.3390

# Triad

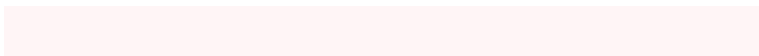
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.5703, 0.3144, 0.3458



96.5703, 0.2938, 0.3131



96.5703, 0.3301, 0.3283

# Complementary

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



96.5703, 0.3144, 0.3458



88.8790, 0.3109, 0.3125

# Split Complementary

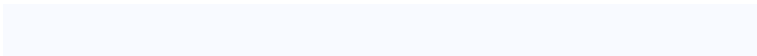
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.5703, 0.3216, 0.3194



96.5703, 0.3144, 0.3458



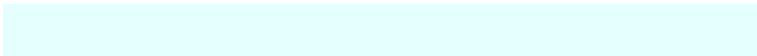
96.5703, 0.3006, 0.3106

# Square

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



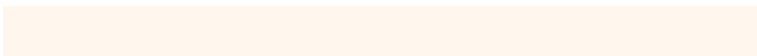
96.5703, 0.3144, 0.3458



96.5703, 0.2920, 0.3199



96.5703, 0.3108, 0.3130



96.5703, 0.3339, 0.3375



# Rectangle

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



96.5703, 0.3144, 0.3458



96.5703, 0.2979, 0.3327



96.5703, 0.3108, 0.3130



96.5703, 0.3277, 0.3251

# Sweetspot

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



96.5644, 0.3144, 0.3458



98.9422, 0.3132, 0.3339



96.2699, 0.3230, 0.3414



21.1888, 0.3132, 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.



96.5644, 0.3144, 0.3458



95.9101, 0.3147, 0.3493



96.1215, 0.3095, 0.3416



20.3730, 0.3151, 0.3533



37.9221, 0.3089, 0.5929



3.7394, 0.3163, 0.5871



# Inverse Universe

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



88.8790, 0.3109, 0.3125



86.7746, 0.3105, 0.3091



89.3544, 0.3161, 0.3167



18.0738, 0.3100, 0.3053



9.9332, 0.2622, 0.1218

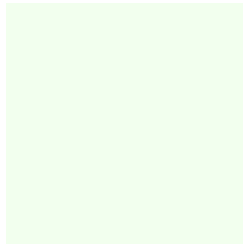


1.0165, 0.2692, 0.1257



# Previews

## White Background



This preview shows how the Yxy color 96.5703, 0.3144, 0.3458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

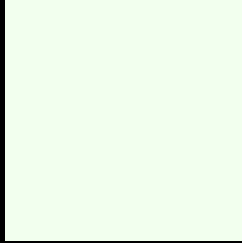
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.5703, 0.3144, 0.3458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

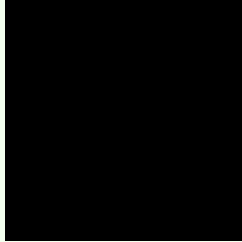
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

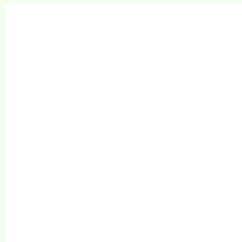
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.5703, 0.3144, 0.3458**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.5703, 0.3144, 0.3458.

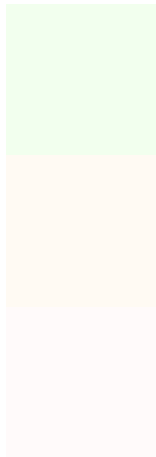


This preview shows how white text looks on a background with the Yxy color 96.5703, 0.3144, 0.3458.

# 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

96.5703, 0.3144, 0.3458

### Protanopia

96.1023, 0.3200, 0.3358

### Deuteranopia

96.5333, 0.3159, 0.3290

## **Tritanopia**

96.5384, 0.3098, 0.3252

# Trichromacy



## Original Color

96.5703, 0.3144, 0.3458

## Protanomaly

96.2957, 0.3179, 0.3397

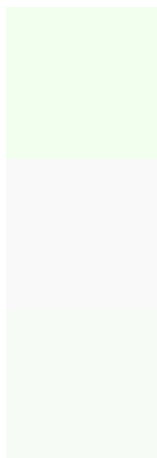
## Deuteranomaly

96.5986, 0.3150, 0.3348

## Tritanomaly

96.2345, 0.3113, 0.3319

# Monochromacy



## Original Color

96.5703, 0.3144, 0.3458

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.1798, 0.3131, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.5703, 0.3144, 0.3458 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(242, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 238)  
}
```

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(242, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 96.5703, 0.3144, 0.3458 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(242, 255, 238) }
```

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

```
.border{ border-color:rgb(242, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.5703, 0.3144, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 238) }
```

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

```
.background{ background-color: rgb(242,  
255, 238) }
```

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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