

# Converting Colors

$Y_{xy}(122.0342, 0.3145, 0.3861)$

Have a look what the booklet for  
Yxy(122.0342, 0.3145, 0.3861)  
contains.

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# Color

**Yxy(95.8715, 0.3166, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FFE8
RGB	240, 255, 232
RGB Percent	94%, 100%, 91%
CMY	0.0589, 0.0000, 0.0901
CMYK	0.06, 0.00, 0.09, 0.00
HSL	99°, 100%, 95%
HSV	99°, 9%, 100%
XYZ	86.2544, 95.8715, 90.3137
YIQ	247.8930, -1.5570, -10.3330

# Conversions

## Conversions Part 2

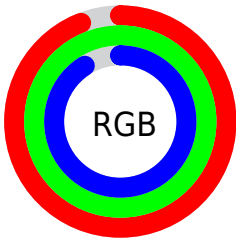
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 247
Decimal	15794152
CIE Lab	98.38, -8.94, 9.29
CIE LCh	98, 12.897, 133.893
Yxy	95.8715, 0.3166, 0.3519
Android (android.graphics.Color)	4293984232 (0xFF0FFE8)
YUV	247.8930, -7.8352, -6.9222
Hunter-Lab	97.9140, -14.1053, 13.8520

# Details

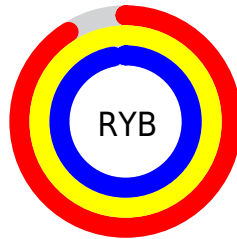
The Yxy color 95.8715, 0.3166, 0.3519 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.7251, 0.3085, 0.3064, and the grayscale version is 93.8366, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.7131, 0.3177, 0.3571 is the 20% darker color. If you saturate the color by 10%, you get 91.7361, 0.3208, 0.3798, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

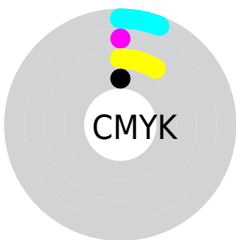
# Distribution



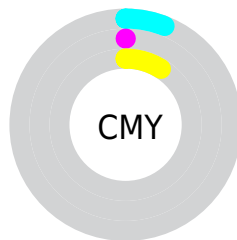
- Red (94%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.8715, 0.3166, 0.3519 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 95.8715, 0.3166, 0.3519 by changing the saturation by 10% instead.




 95.8715, 0.3166,  
0.3519

 95.8715, 0.3166,  
0.3519

546.9512, 0.3150,  
0.3417

 72.8605, 0.3169,  
0.3542

155.4681, 0.3161,  
0.3484

 53.8619, 0.3173,  
0.3569


192.8225, 0.3158,  
0.3470

 38.4913, 0.3178,  
0.3603


235.7268, 0.3157,  
0.3459

 26.3642, 0.3184,  
0.3647

284.5654, 0.3155,  
0.3448

 17.0963, 0.3192,  
0.3705

339.7228, 0.3153,  
0.3439

 10.3032, 0.3201,  
0.3785

401.5833, 0.3152,

 5.6004, 0.3214,

0.3431

0.3904

470.5313, 0.3151,  
0.3423

■ 2.6037, 0.3230,  
0.4096

■ 0.9285, 0.3399,  
0.4755

■ 95.8715, 0.3166,  
0.3519

■ 95.8715, 0.3166,  
0.3519

■ 91.7361, 0.3208,  
0.3798

100.0000, 0.3127,  
0.3290

■ 88.0673, 0.3246,  
0.4099

■ 84.8437, 0.3277,  
0.4417

■ 82.0468, 0.3298,  
0.4740

■ 79.6570, 0.3306,  
0.5053

■ 77.6528, 0.3297,  
0.5337

■ 76.0104, 0.3272,  
0.5573

■ 74.7027, 0.3230,  
0.5747

■ 73.6935, 0.3176,  
0.5855

# Harmonies

## Analogous

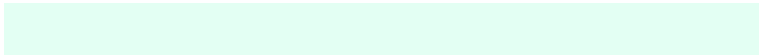
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.8715, 0.3299, 0.3537



95.8715, 0.3166, 0.3519



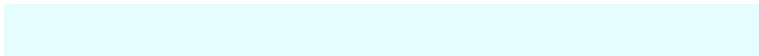
95.8715, 0.3025, 0.3435

# Triad

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



95.8715, 0.3166, 0.3519



95.8715, 0.2873, 0.3089



95.8715, 0.3345, 0.3265

# Complementary

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



95.8715, 0.3166, 0.3519



84.7251, 0.3085, 0.3064

# Split Complementary

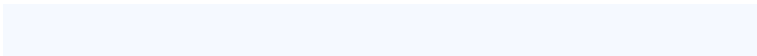
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.8715, 0.3227, 0.3151



95.8715, 0.3166, 0.3519



95.8715, 0.2954, 0.3051

# Square

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



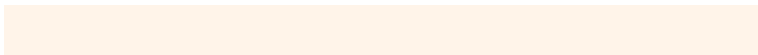
95.8715, 0.3166, 0.3519



95.8715, 0.2858, 0.3183



95.8715, 0.3083, 0.3074

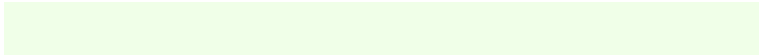


95.8715, 0.3405, 0.3387

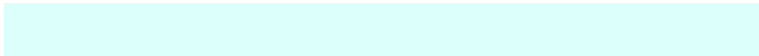


# Rectangle

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



95.8715, 0.3166, 0.3519



95.8715, 0.2945, 0.3354



95.8715, 0.3083, 0.3074



95.8715, 0.3311, 0.3225

# Sweetspot

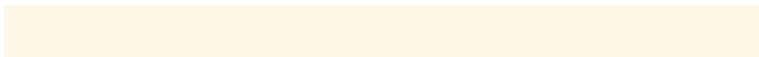
The Sweet Spot groups the original color and five complimentary colors.



95.8671, 0.3166, 0.3519



98.5805, 0.3140, 0.3364



93.5816, 0.3270, 0.3436



21.0207, 0.3144, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

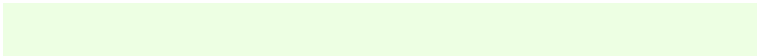


# Same Dimension

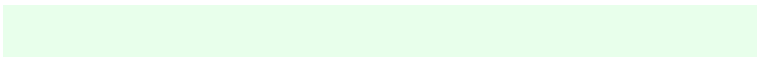
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.8671, 0.3166, 0.3519



95.0088, 0.3174, 0.3572



94.7036, 0.3097, 0.3487



20.4737, 0.3168, 0.3532



38.5353, 0.3182, 0.5855



3.8099, 0.3268, 0.5787



# Inverse Universe

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



84.7251, 0.3085, 0.3064



81.5961, 0.3074, 0.3013



85.9824, 0.3159, 0.3101



17.9673, 0.3082, 0.3052



8.1378, 0.2352, 0.1069

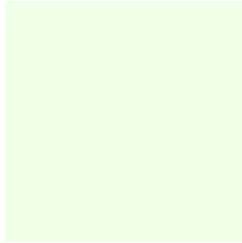


0.8530, 0.2450, 0.1123



# Previews

## White Background



This preview shows how the Yxy color 95.8715, 0.3166, 0.3519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

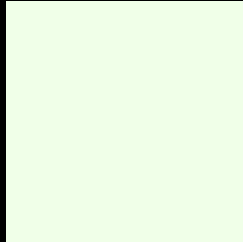
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.8715, 0.3166, 0.3519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

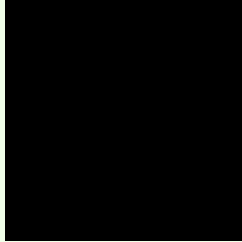
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

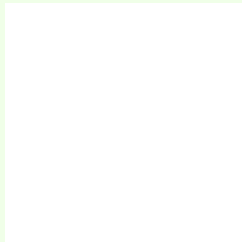
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.8715, 0.3166, 0.3519**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.8715, 0.3166, 0.3519.

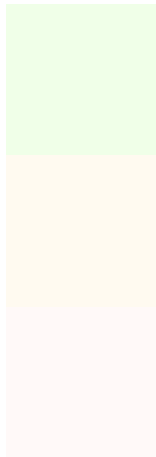


This preview shows how white text looks on a background with the Yxy color 95.8715, 0.3166, 0.3519.

# 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

95.8715, 0.3166, 0.3519

### Protanopia

95.9225, 0.3218, 0.3387

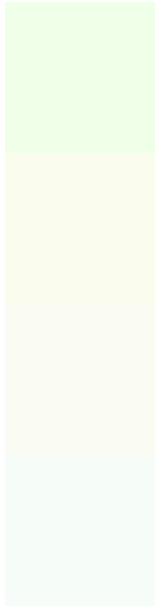
### Deuteranopia

95.7887, 0.3171, 0.3300

## **Tritanopia**

95.7310, 0.3092, 0.3242

# Trichromacy



## Original Color

95.8715, 0.3166, 0.3519

## Protanomaly

96.0592, 0.3203, 0.3437

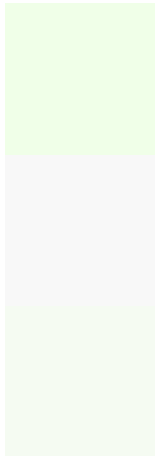
## Deuteranomaly

95.7292, 0.3174, 0.3378

## Tritanomaly

95.9290, 0.3119, 0.3339

# Monochromacy



## Original Color

95.8715, 0.3166, 0.3519

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.8176, 0.3142, 0.3378

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.8715, 0.3166, 0.3519 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 95.8715, 0.3166, 0.3519 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, 232) }
```

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

```
.border{ border-color:rgb(240, 255, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.8715, 0.3166, 0.3519 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, 232) }
```

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

```
.background{ background-color: rgb(240,  
255, 232) }
```

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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