

# Converting Colors

$Y_{xy}(100.0000, 0.3198, 0.3620)$

Have a look what the booklet for  
Yxy(100.0000, 0.3198, 0.3620)  
contains.

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# Color

**Yxy(95.9987, 0.3202, 0.3559)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFE4
RGB	242, 255, 228
RGB Percent	95%, 100%, 89%
CMY	0.0511, 0.0000, 0.1059
CMYK	0.05, 0.00, 0.11, 0.00
HSL	89°, 100%, 95%
HSV	89°, 11%, 100%
XYZ	86.3692, 95.9987, 87.3672
YIQ	248.0350, 0.9190, -11.1530

# Conversions

## Conversions Part 2

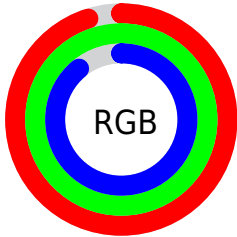
Format	Color
<b>R<sub>YB</sub></b>	228, 255, 241
Decimal	15925220
CIE Lab	98.43, -8.95, 11.45
CIE LCh	98, 14.528, 128.004
Yxy	95.9987, 0.3202, 0.3559
Android (android.graphics.Color)	4294115300 (0xFFFF2FFE4)
YUV	248.0350, -9.8773, -5.2927
Hunter-Lab	97.9789, -14.1140, 15.7167

# Details

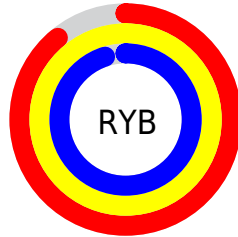
The Yxy color 95.9987, 0.3202, 0.3559 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 81.4073, 0.3046, 0.3021, and the grayscale version is 93.9686, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8444, 0.3216, 0.3608 is the 20% darker color. If you saturate the color by 10%, you get 92.5719, 0.3272, 0.3834, and if you desaturate by 10%, it is 99.7650, 0.3131, 0.3304.

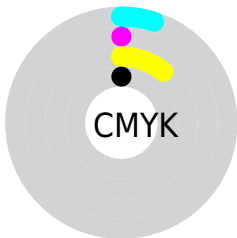
# Distribution



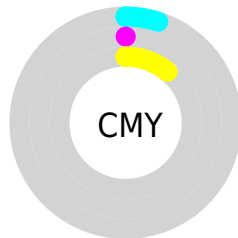
- Red (95%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.9987, 0.3202, 0.3559 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 95.9987, 0.3202, 0.3559 by changing the saturation by 10% instead.




 95.9987, 0.3202,  
0.3559

 95.9987, 0.3202,  
0.3559


547.3573, 0.3170,  
0.3439

 72.9665, 0.3209,  
0.3586


155.6436, 0.3191,  
0.3518

 53.9486, 0.3217,  
0.3618

193.0251, 0.3187,  
0.3502

 38.5605, 0.3227,  
0.3658


235.9585, 0.3183,  
0.3488

 26.4180, 0.3239,  
0.3709

284.8281, 0.3180,  
0.3476

 17.1366, 0.3254,  
0.3777

340.0184, 0.3177,  
0.3465

 10.3319, 0.3275,  
0.3872

401.9138, 0.3174,

 5.6196, 0.3302,

0.3455

0.4011

470.8986, 0.3172,  
0.3447

■ 2.6152, 0.3340,  
0.4235

■ 0.9343, 0.3677,  
0.5136

■ 95.9987, 0.3202,  
0.3559

■ 95.9987, 0.3202,  
0.3559

■ 92.5719, 0.3272,  
0.3834

99.7650, 0.3131,  
0.3304

■ 89.4967, 0.3338,  
0.4125

100.0000, 0.3127,  
0.3290

■ 86.7523, 0.3396,  
0.4425

■ 84.3252, 0.3441,  
0.4723

■ 82.2004, 0.3470,  
0.5005

■ 80.3618, 0.3479,  
0.5255

■ 78.7909, 0.3464,  
0.5460

■ 77.4665, 0.3427,  
0.5609

■ 76.4154, 0.3376,  
0.5701

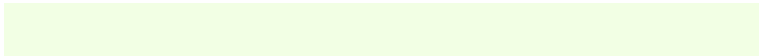
# Harmonies

## Analogous

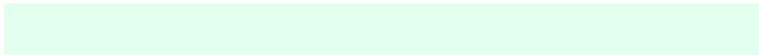
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.9987, 0.3345, 0.3563



95.9987, 0.3202, 0.3559



95.9987, 0.3041, 0.3477

# Triad

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



95.9987, 0.3202, 0.3559



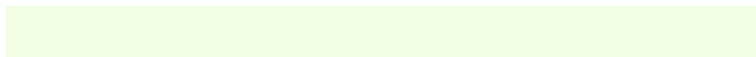
95.9987, 0.2832, 0.3080



95.9987, 0.3351, 0.3234

# Complementary

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



95.9987, 0.3202, 0.3559



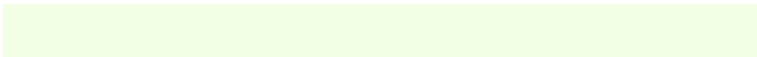
81.4073, 0.3046, 0.3021

# Split Complementary

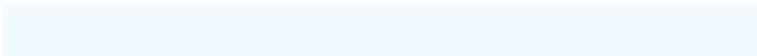
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9987, 0.3208, 0.3113



95.9987, 0.3202, 0.3559



95.9987, 0.2910, 0.3024

# Square

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



95.9987, 0.3202, 0.3559



95.9987, 0.2830, 0.3195



95.9987, 0.3047, 0.3037

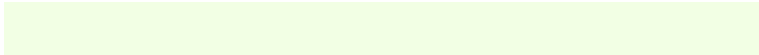


95.9987, 0.3433, 0.3372

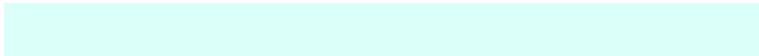


# Rectangle

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



95.9987, 0.3202, 0.3559



95.9987, 0.2946, 0.3390



95.9987, 0.3047, 0.3037



95.9987, 0.3308, 0.3191

# Sweetspot

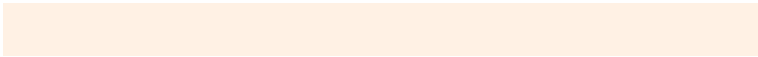
The Sweet Spot groups the original color and five complimentary colors.



95.9907, 0.3202, 0.3559



98.8232, 0.3148, 0.3364



89.5316, 0.3302, 0.3414



21.0861, 0.3154, 0.3384



0.0000, 0.0000, 0.0000

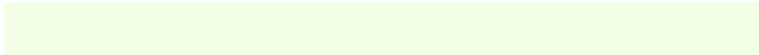


21.4041, 0.3127, 0.3290



# Same Dimension

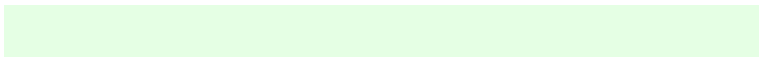
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.9907, 0.3202, 0.3559



95.1355, 0.3219, 0.3623



93.7607, 0.3120, 0.3566



20.6301, 0.3194, 0.3530



40.0181, 0.3388, 0.5692



3.9615, 0.3472, 0.5625



# Inverse Universe

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



81.4073, 0.3046, 0.3021



77.5352, 0.3025, 0.2956



83.7907, 0.3133, 0.3028



17.8081, 0.3055, 0.3050



6.0657, 0.1988, 0.0869

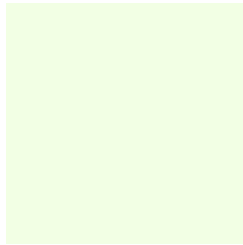


0.6552, 0.2112, 0.0937



# Previews

## White Background



This preview shows how the Yxy color 95.9987, 0.3202, 0.3559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

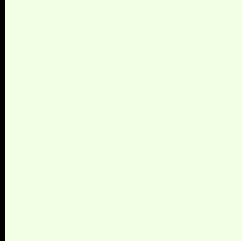
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.9987, 0.3202, 0.3559 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

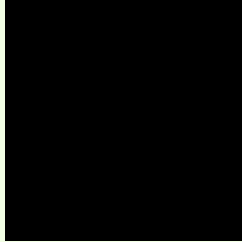
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

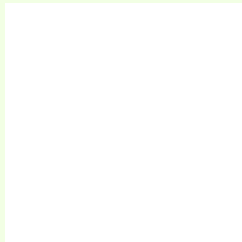
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.9987, 0.3202, 0.3559**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.9987, 0.3202, 0.3559.

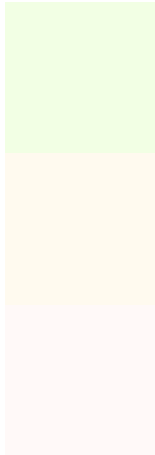


This preview shows how white text looks on a background with the Yxy color 95.9987, 0.3202, 0.3559.

# 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

95.9987, 0.3202, 0.3559

### Protanopia

95.8632, 0.3224, 0.3397

### Deuteranopia

95.7887, 0.3171, 0.3300

## Tritanopia

95.9152, 0.3098, 0.3242

# Trichromacy



## Original Color

95.9987, 0.3202, 0.3559

## Protanomaly

95.9430, 0.3215, 0.3456

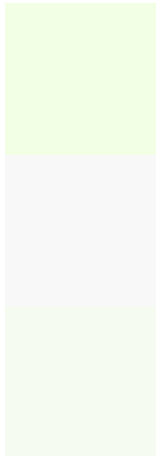
## Deuteranomaly

95.6692, 0.3180, 0.3387

## Tritanomaly

95.9875, 0.3137, 0.3358

# Monochromacy



## Original Color

95.9987, 0.3202, 0.3559

## Achromatopsia

93.8686, 0.3127, 0.3290

## Achromatomaly

94.9381, 0.3154, 0.3388

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.9987, 0.3202, 0.3559 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 95.9987, 0.3202, 0.3559 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, 228) }
```

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

```
.border{ border-color:rgb(242, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.9987, 0.3202, 0.3559 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, 228) }
```

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

```
.background{ background-color: rgb(242,  
255, 228) }
```

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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