

# Converting Colors

$Y_{xy}(100.0000, 0.3178, 0.3563)$

Have a look what the booklet for  
Yxy(100.0000, 0.3178, 0.3563)  
contains.

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# Color

**Yxy(96.4579, 0.3179, 0.3508)**

# Conversions

Conversions Part 1	
Format	Color
Hex	F3FFE9
RGB	243, 255, 233
RGB Percent	95%, 100%, 91%
CMY	0.0473, 0.0000, 0.0863
CMYK	0.05, 0.00, 0.09, 0.00
HSL	93°, 100%, 96%
HSV	93°, 9%, 100%
XYZ	87.4115, 96.4579, 91.0961
YIQ	248.9040, -0.0900, -9.3860

# Conversions

## Conversions Part 2

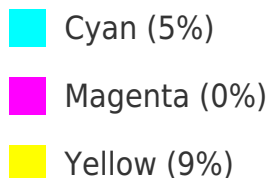
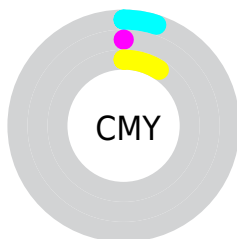
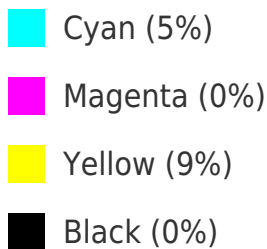
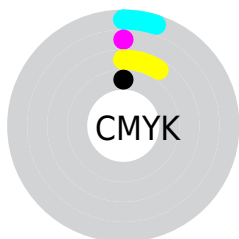
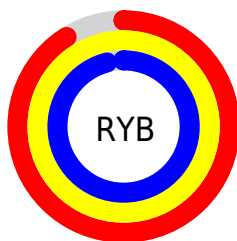
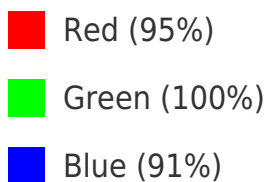
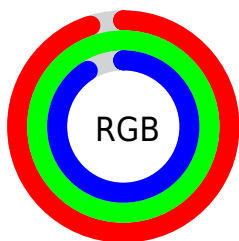
Format	Color
<a href="#">RYB</a>	<a href="#">233, 255, 245</a>
Decimal	<a href="#">15990761</a>
CIELab	<a href="#">98.61, -7.79, 9.15</a>
CIELCh	<a href="#">99, 12.020, 130.396</a>
Yxy	<a href="#">96.4579, 0.3179, 0.3508</a>
Android (android.graphics.Color)	<a href="#">4294180841</a> (0xFFFF3FFE9)
YUV	<a href="#">248.9040, -7.8407, -5.1778</a>
Hunter-Lab	<a href="#">98.2130, -13.0041, 13.7555</a>

# Details

The Yxy color 96.4579, 0.3179, 0.3508 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 84.9181, 0.3071, 0.3073, and the grayscale version is 94.6952, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.1273, 0.3194, 0.3556 is the 20% darker color. If you saturate the color by 10%, you get 92.6987, 0.3238, 0.3782, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4579, 0.3179, 0.3508 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 96.4579, 0.3179, 0.3508 by changing the saturation by 10% instead.




 96.4579, 0.3179,  
0.3508

 96.4579, 0.3179,  
0.3508


548.8218, 0.3157,  
0.3411

 73.3490, 0.3184,  
0.3529


156.2772, 0.3172,  
0.3475

 54.2614, 0.3189,  
0.3555


193.7564, 0.3169,  
0.3462

 38.8107, 0.3196,  
0.3588


236.7945, 0.3166,  
0.3451

 26.6125, 0.3205,  
0.3629

285.7758, 0.3164,  
0.3441

 17.2824, 0.3215,  
0.3684

341.0848, 0.3162,  
0.3432

 10.4360, 0.3230,  
0.3759


403.1059, 0.3160,


 5.6890, 0.3249,


0.3424


0.3870

472.2234, 0.3158,  
0.3417

 2.6569, 0.3276,  
0.4049


 0.9554, 0.3460,  
0.4615


 96.4579, 0.3179,  
0.3508

 96.4579, 0.3179,  
0.3508


 92.6987, 0.3238,  
0.3782


100.0000, 0.3127,  
0.3290


 89.3389, 0.3294,  
0.4075


 86.3519, 0.3343,  
0.4381


 83.7229, 0.3380,  
0.4690

 81.4358, 0.3403,  
0.4987

 79.4730, 0.3407,  
0.5256

 77.8149, 0.3390,  
0.5481

 76.4389, 0.3352,  
0.5649

 75.3149, 0.3297,  
0.5758

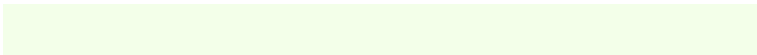
# Harmonies

## Analogous

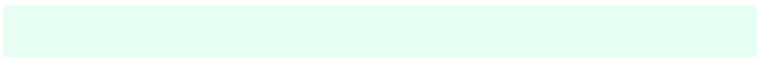
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4579, 0.3300, 0.3518



96.4579, 0.3179, 0.3508



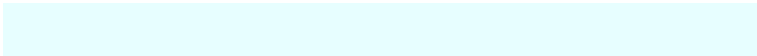
96.4579, 0.3047, 0.3436

# Triad

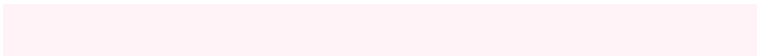
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.4579, 0.3179, 0.3508



96.4579, 0.2885, 0.3111



96.4579, 0.3320, 0.3253

# Complementary

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



96.4579, 0.3179, 0.3508



84.9181, 0.3071, 0.3073

# 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.



96.4579, 0.3205, 0.3150



96.4579, 0.3179, 0.3508



96.4579, 0.2955, 0.3068

# Square

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



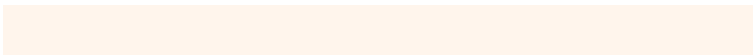
96.4579, 0.3179, 0.3508



96.4579, 0.2879, 0.3204



96.4579, 0.3071, 0.3083



96.4579, 0.3382, 0.3368

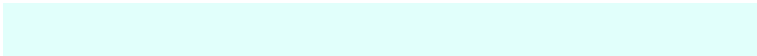


# Rectangle

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



96.4579, 0.3179, 0.3508



96.4579, 0.2969, 0.3364



96.4579, 0.3071, 0.3083



96.4579, 0.3286, 0.3216

# Sweetspot

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



96.4455, 0.3179, 0.3508



98.7300, 0.3145, 0.3364



92.2848, 0.3266, 0.3405



21.0610, 0.3150, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

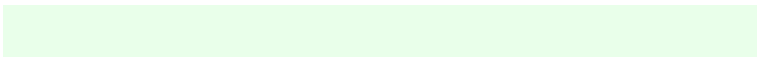
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.4455, 0.3179, 0.3508



95.9087, 0.3187, 0.3544



94.7675, 0.3113, 0.3504



20.5698, 0.3184, 0.3531



39.3668, 0.3301, 0.5761



3.8968, 0.3389, 0.5691



# Inverse Universe

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



84.9181, 0.3071, 0.3073



82.6766, 0.3062, 0.3037



86.7073, 0.3142, 0.3085



17.8687, 0.3065, 0.3050



6.7685, 0.2119, 0.0941

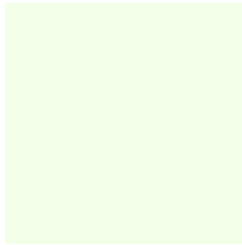


0.7239, 0.2236, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 96.4579, 0.3179, 0.3508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

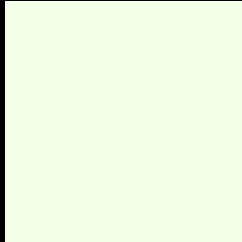
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.4579, 0.3179, 0.3508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

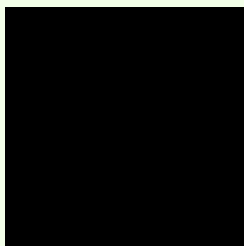
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

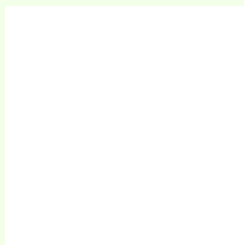
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 96.4579, 0.3179, 0.3508**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.4579, 0.3179, 0.3508.

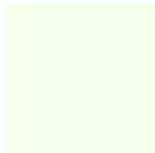


This preview shows how white text looks on a background with the Yxy color 96.4579, 0.3179, 0.3508.

# 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

96.4579, 0.3179, 0.3508



### Protanopia

96.0420, 0.3206, 0.3367

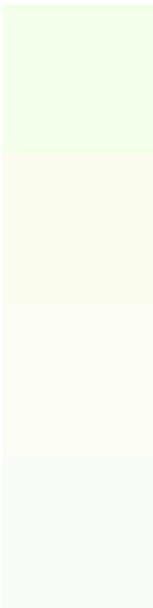
### Deuteranopia

96.4708, 0.3165, 0.3300

## **Tritanopia**

96.5384, 0.3098, 0.3252

# Trichromacy



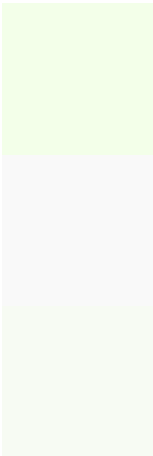
**Original Color**  
96.4579, 0.3179, 0.3508

**Protanomaly**  
96.3620, 0.3197, 0.3417

**Deuteranomaly**  
96.6011, 0.3174, 0.3377

**Tritanomaly**  
96.1104, 0.3125, 0.3339

# Monochromacy



**Original Color**  
96.4579, 0.3179, 0.3508

**Achromatopsia**  
94.7307, 0.3127, 0.3290

**Achromatomaly**  
95.2396, 0.3149, 0.3368

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.4579, 0.3179, 0.3508 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(243, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 233)  
}
```

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(243, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 96.4579, 0.3179, 0.3508 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(243, 255, 233) }
```

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

```
.border{ border-color:rgb(243, 255, 233) }
```

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

Here you see how a box with a 4 pixel rgb(243, 255, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.4579, 0.3179, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 233) }
```

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

```
.background{ background-color: rgb(243,  
255, 233) }
```

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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