

Converting Colors

$Y_{xy}(106.3998, 0.3117, 0.3598)$

Have a look what the booklet for
Yxy(106.3998, 0.3117, 0.3598)
contains.

Yxy(96.1027, 0.3120, 0.3449)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(96.1027, 0.3120, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	EFFFEF
RGB	239, 255, 239
RGB Percent	94%, 100%, 94%
CMY	0.0627, 0.0000, 0.0629
CMYK	0.06, 0.00, 0.06, 0.00
HSL	120°, 100%, 97%
HSV	120°, 6%, 100%
XYZ	86.9355, 96.1027, 95.6011
YIQ	248.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

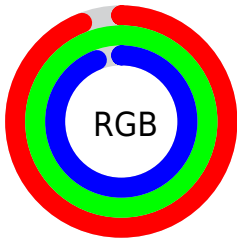
Format	Color
R _Y B	239, 255, 255
Decimal	15728623
CIE Lab	98.47, -8.07, 5.85
CIE LCh	98, 9.968, 144.030
Yxy	96.1027, 0.3120, 0.3449
Android (android.graphics.Color)	4293918703 (0xFFEFFFFE)
YUV	248.3920, -4.6303, -8.2368
Hunter-Lab	98.0320, -13.2609, 10.8026

Details

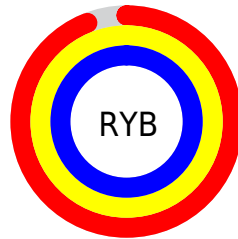
The Yxy color 96.1027, 0.3120, 0.3449 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1839, 0.3134, 0.3136, and the grayscale version is 94.2477, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.8743, 0.3118, 0.3480 is the 20% darker color. If you saturate the color by 10%, you get 90.5824, 0.3107, 0.3731, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

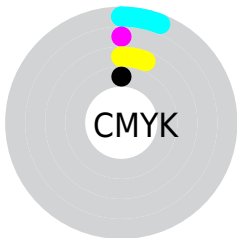
Distribution



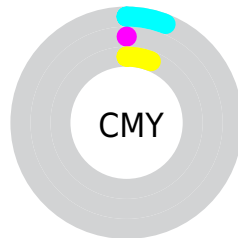
- Red (94%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.1027, 0.3120, 0.3449 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 96.1027, 0.3120, 0.3449 by changing the saturation by 10% instead.


 96.1027, 0.3120,
0.3449

 96.1027, 0.3120,
0.3449


547.6892, 0.3124,
0.3378

 73.0531, 0.3119,
0.3465


155.7871, 0.3121,
0.3425

 54.0194, 0.3118,
0.3483


193.1908, 0.3122,
0.3415

 38.6172, 0.3117,
0.3507


236.1479, 0.3122,
0.3407

 26.4620, 0.3115,
0.3537

285.0428, 0.3123,
0.3400

 17.1696, 0.3112,
0.3577

340.2600, 0.3123,
0.3394

 10.3555, 0.3108,
0.3632

402.1839, 0.3123,

 5.6353, 0.3102,

0.3388

0.3713

471.1988, 0.3123,
0.3383

■ 2.6246, 0.3090,
0.3844

■ 0.9391, 0.3093,
0.4182

■ 96.1027, 0.3120,
0.3449

■ 96.1027, 0.3120,
0.3449

■ 90.5824, 0.3107,
0.3731

100.0000, 0.3127,
0.3290

■ 85.8620, 0.3093,
0.4047

■ 81.9048, 0.3077,
0.4393

■ 78.6707, 0.3060,
0.4754

■ 76.1160, 0.3044,
0.5111

■ 74.1924, 0.3028,
0.5437

■ 72.8449, 0.3015,
0.5703

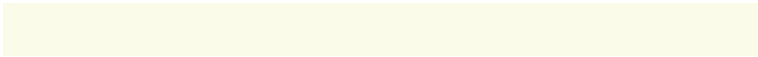
■ 72.0096, 0.3006,
0.5886

■ 71.6066, 0.3001,
0.5980

Harmonies

Analogous

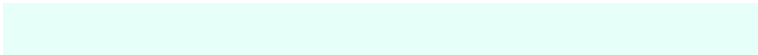
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.1027, 0.3228, 0.3482



96.1027, 0.3120, 0.3449



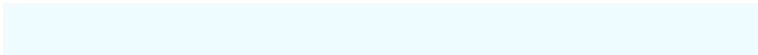
96.1027, 0.3015, 0.3371

Triad

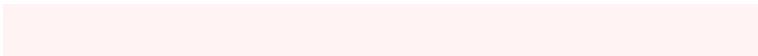
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



96.1027, 0.3120, 0.3449



96.1027, 0.2946, 0.3119



96.1027, 0.3317, 0.3304

Complementary

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



96.1027, 0.3120, 0.3449



90.1839, 0.3134, 0.3136

Split Complementary

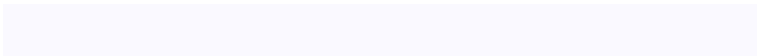
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1027, 0.3239, 0.3210



96.1027, 0.3120, 0.3449



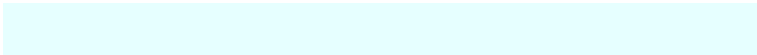
96.1027, 0.3025, 0.3105

Square

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



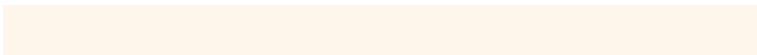
96.1027, 0.3120, 0.3449



96.1027, 0.2916, 0.3180



96.1027, 0.3132, 0.3138



96.1027, 0.3343, 0.3395

Rectangle

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



96.1027, 0.3120, 0.3449



96.1027, 0.2961, 0.3306



96.1027, 0.3132, 0.3138



96.1027, 0.3296, 0.3271

Sweetspot

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



96.1032, 0.3120, 0.3449



98.7242, 0.3125, 0.3339



98.8396, 0.3221, 0.3442



21.1444, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



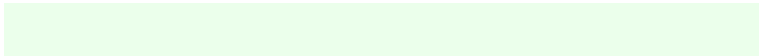
21.4041, 0.3127, 0.3290

Same Dimension

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



96.1032, 0.3120, 0.3449



95.0996, 0.3118, 0.3495



96.5626, 0.3076, 0.3371



20.1708, 0.3116, 0.3536



37.3745, 0.3001, 0.6000



3.6399, 0.3002, 0.5998

Inverse Universe

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



90.1839, 0.3134, 0.3136



87.6562, 0.3136, 0.3093



89.7039, 0.3182, 0.3210



18.2975, 0.3138, 0.3056



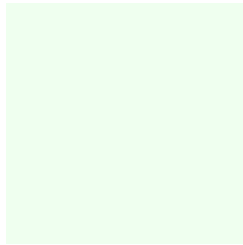
14.8068, 0.3202, 0.1537



1.4426, 0.3203, 0.1538

Previews

White Background



This preview shows how the Yxy color 96.1027, 0.3120, 0.3449 looks on a white background.

Color Contrast Check

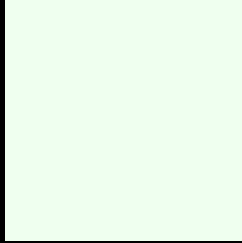
Large Text (above 18pt) WCAG AA × Fail

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 96.1027, 0.3120, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

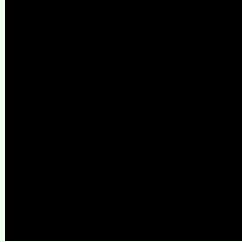
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

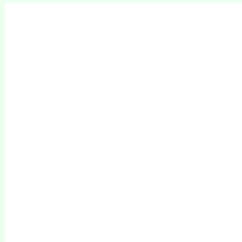
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.1027, 0.3120, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 96.1027, 0.3120, 0.3449.

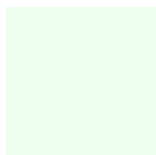


This preview shows how white text looks on a background with the Yxy color 96.1027, 0.3120, 0.3449.

Color Blindness Simulation

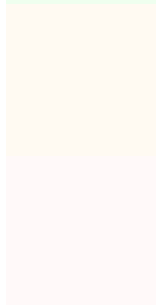
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.1027, 0.3120, 0.3449



Protanopia

96.0420, 0.3206, 0.3367

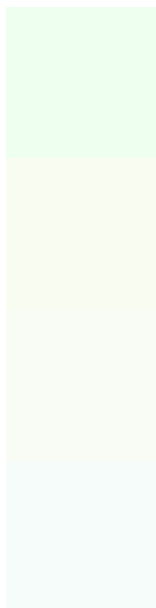
Deuteranopia

95.8509, 0.3165, 0.3290

Tritanopia

95.7310, 0.3092, 0.3242

Trichromacy



Original Color

96.1027, 0.3120, 0.3449

Protanomaly

96.1114, 0.3173, 0.3397

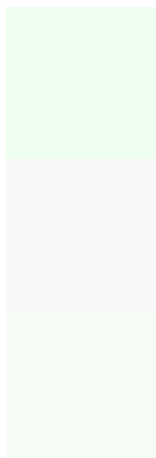
Deuteranomaly

95.7267, 0.3150, 0.3348

Tritanomaly

95.8728, 0.3101, 0.3319

Monochromacy



Original Color

96.1027, 0.3120, 0.3449

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.9994, 0.3124, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.1027, 0.3120, 0.3449 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(239, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 239)  
}
```

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(239, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 96.1027, 0.3120, 0.3449 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(239, 255, 239) }
```

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

```
.border{ border-color:rgb(239, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 96.1027, 0.3120, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 239) }
```

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

```
.background{ background-color: rgb(239,  
255, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor