

Converting Colors

$Yxy(95.3805, 0.3118, 0.3481)$

Have a look what the booklet for
Yxy(95.3805, 0.3118, 0.3481)
contains.

Yxy(95.4090, 0.3118, 0.3480)	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(95.4090, 0.3118, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	ECFFEC
RGB	236, 255, 236
RGB Percent	93%, 100%, 93%
CMY	0.0746, 0.0000, 0.0745
CMYK	0.07, 0.00, 0.07, 0.00
HSL	120°, 100%, 96%
HSV	120°, 7%, 100%
XYZ	85.4843, 95.4090, 93.2705
YIQ	247.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

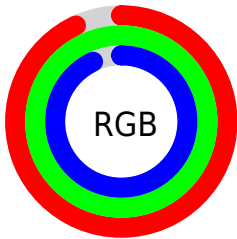
Format	Color
R _Y B	236, 255, 255
Decimal	15532012
CIE Lab	98.20, -9.59, 6.95
CIE LCh	98, 11.844, 144.086
Yxy	95.4090, 0.3118, 0.3480
Android (android.graphics.Color)	4293722092 (0xFFE0FFEC)
YUV	247.1530, -5.4984, -9.7812
Hunter-Lab	97.6775, -14.7182, 11.7593

Details

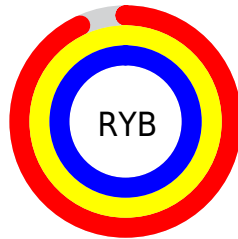
The Yxy color 95.4090, 0.3118, 0.3480 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4491, 0.3136, 0.3107, and the grayscale version is 93.1828, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.3868, 0.3116, 0.3521 is the 20% darker color. If you saturate the color by 10%, you get 89.9713, 0.3104, 0.3765, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

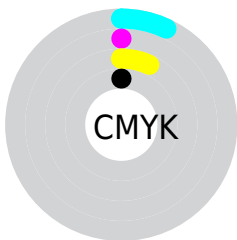
Distribution



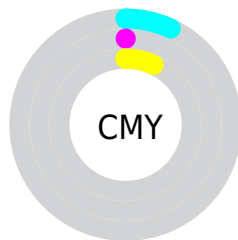
- Red (93%)
- Green (100%)
- Blue (93%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 95.4090, 0.3118, 0.3480 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 95.4090, 0.3118, 0.3480 by changing the saturation by 10% instead.


 95.4090, 0.3118,
0.3480

 95.4090, 0.3118,
0.3480

545.4735, 0.3123,
0.3395

 72.4754, 0.3117,
0.3499

154.8295, 0.3120,
0.3451

 53.5471, 0.3115,
0.3522

192.0853, 0.3120,
0.3440

 38.2397, 0.3114,
0.3550


234.8839, 0.3121,
0.3430

 26.1688, 0.3111,
0.3586

283.6097, 0.3121,
0.3421

 16.9500, 0.3108,
0.3635

338.6472, 0.3122,
0.3414

 10.1988, 0.3102,
0.3701

400.3808, 0.3122,

 5.5310, 0.3093,

0.3407

0.3800

469.1947, 0.3122,
0.3401

■ 2.5620, 0.3077,
0.3962

■ 0.9076, 0.3083,
0.4453

■ 95.4090, 0.3118,
0.3480

■ 95.4090, 0.3118,
0.3480

■ 89.9713, 0.3104,
0.3765

100.0000, 0.3127,
0.3290

■ 85.3377, 0.3089,
0.4085

■ 81.4651, 0.3072,
0.4433

■ 78.3129, 0.3055,
0.4795

■ 75.8367, 0.3039,
0.5150

■ 73.9871, 0.3024,
0.5470

■ 72.7079, 0.3012,
0.5727

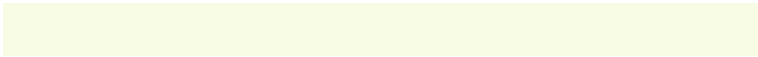
■ 71.9332, 0.3004,
0.5901

■ 71.5770, 0.3000,
0.5986

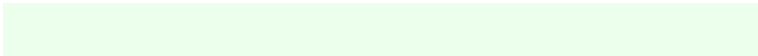
Harmonies

Analogous

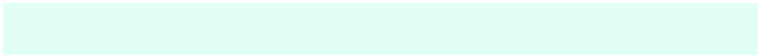
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.4090, 0.3247, 0.3519



95.4090, 0.3118, 0.3480



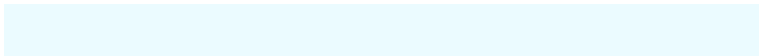
95.4090, 0.2993, 0.3387

Triad

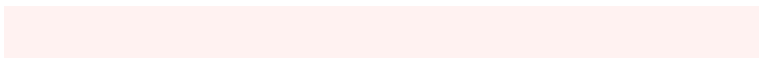
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.4090, 0.3118, 0.3480



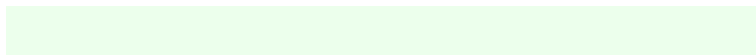
95.4090, 0.2912, 0.3087



95.4090, 0.3354, 0.3306

Complementary

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



95.4090, 0.3118, 0.3480



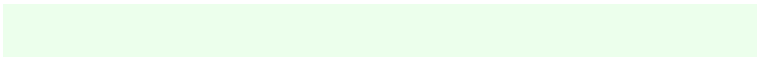
88.4491, 0.3136, 0.3107

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.



95.4090, 0.3260, 0.3195



95.4090, 0.3118, 0.3480



95.4090, 0.3005, 0.3070

Square

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



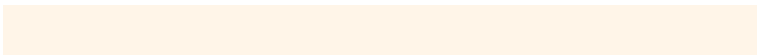
95.4090, 0.3118, 0.3480



95.4090, 0.2876, 0.3158



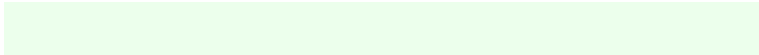
95.4090, 0.3132, 0.3110



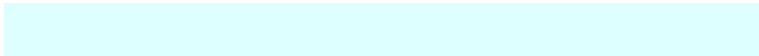
95.4090, 0.3385, 0.3415

Rectangle

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



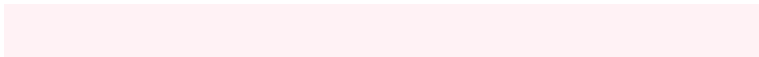
95.4090, 0.3118, 0.3480



95.4090, 0.2929, 0.3308



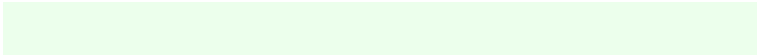
95.4090, 0.3132, 0.3110



95.4090, 0.3328, 0.3268

Sweetspot

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



95.4036, 0.3118, 0.3480



98.7220, 0.3125, 0.3339



98.8342, 0.3238, 0.3474



21.1440, 0.3125, 0.3337



0.0000, 0.0000, 0.0000



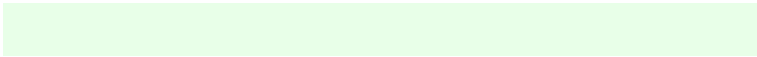
21.4041, 0.3127, 0.3290

Same Dimension

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



95.4036, 0.3118, 0.3480



94.5159, 0.3116, 0.3521



95.9693, 0.3064, 0.3384



20.1688, 0.3115, 0.3535



37.3716, 0.3000, 0.5999



3.6390, 0.2999, 0.5996

Inverse Universe

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



88.4491, 0.3136, 0.3107



86.2183, 0.3138, 0.3069



87.8537, 0.3195, 0.3198



18.2997, 0.3138, 0.3056



14.8638, 0.3214, 0.1544



1.4474, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 95.4090, 0.3118, 0.3480 looks on a white background.

Color Contrast Check

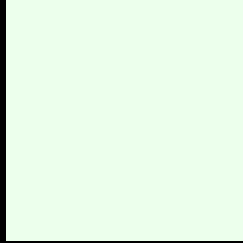
Large Text (above 18pt) WCAG AA × Fail

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 95.4090, 0.3118, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

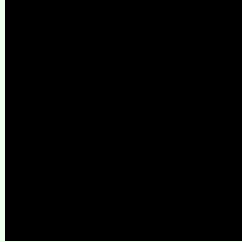
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

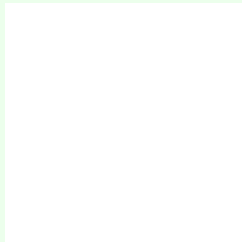
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 95.4090, 0.3118, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 95.4090, 0.3118, 0.3480.

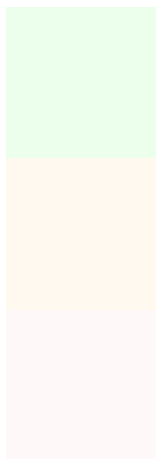


This preview shows how white text looks on a background with the Yxy color 95.4090, 0.3118, 0.3480.

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

95.4090, 0.3118, 0.3480

Protanopia

95.2434, 0.3225, 0.3387

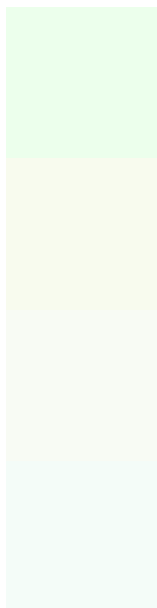
Deuteranopia

95.1721, 0.3172, 0.3290

Tritanopia

95.5477, 0.3086, 0.3242

Trichromacy



Original Color

95.4090, 0.3118, 0.3480

Protanomaly

95.1239, 0.3185, 0.3418

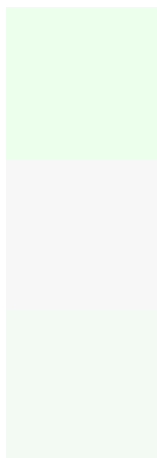
Deuteranomaly

95.4825, 0.3149, 0.3358

Tritanomaly

95.6312, 0.3100, 0.3329

Monochromacy



Original Color

95.4090, 0.3118, 0.3480

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.8970, 0.3124, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.4090, 0.3118, 0.3480 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(236, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 236)  
}
```

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(236, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 95.4090, 0.3118, 0.3480 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(236, 255, 236) }
```

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

```
.border{ border-color:rgb(236, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 95.4090, 0.3118, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 236) }
```

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

```
.background{ background-color: rgb(236,  
255, 236) }
```

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