

Converting Colors

$Y_{xy}(89.1993, 0.3115, 0.3497)$

Have a look what the booklet for
Yxy(89.1993, 0.3115, 0.3497)
contains.

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Color

Yxy(89.2302, 0.3117, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	E4F8E4
RGB	228, 248, 228
RGB Percent	89%, 97%, 89%
CMY	0.1061, 0.0274, 0.1058
CMYK	0.08, 0.00, 0.08, 0.03
HSL	120°, 59%, 93%
HSV	120°, 8%, 97%
XYZ	79.5568, 89.2302, 86.4481
YIQ	239.7400, -5.5000, -10.4600

Conversions

Conversions Part 2

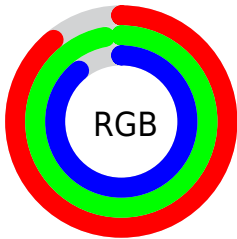
Format	Color
R _Y B	228, 248, 248
Decimal	15005924
CIE Lab	95.68, -10.15, 7.35
CIE LCh	96, 12.534, 144.093
Yxy	89.2302, 0.3117, 0.3496
Android (android.graphics.Color)	4293196004 (0xFFE4F8E4)
YUV	239.7400, -5.7878, -10.2960
Hunter-Lab	94.4617, -14.9732, 11.8630

Details

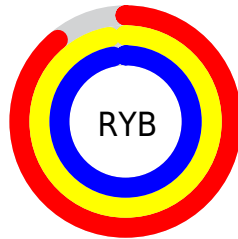
The Yxy color **89.2302, 0.3117, 0.3496** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.1925, 0.3137, 0.3092**, and the grayscale version is **86.9706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6006, 0.3115, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **84.1898, 0.3103, 0.3783**, and if you desaturate by 10%, it is **95.0562, 0.3129, 0.3245**.

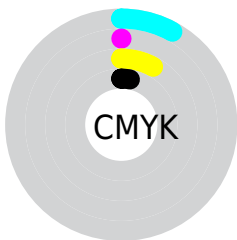
Distribution



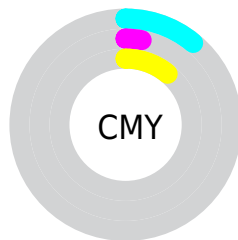
- Red (89%)
- Green (97%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)




- Cyan (11%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2302, 0.3117, 0.3496 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 89.2302, 0.3117, 0.3496 by changing the saturation by 10% instead.

 89.2302, 0.3117,
0.3496

 89.2302, 0.3117,
0.3496

525.5235, 0.3122,
0.3403

 67.3424, 0.3116,
0.3517


146.2686, 0.3119,
0.3464

 49.3629, 0.3114,
0.3542


182.1880, 0.3120,
0.3451

 34.9074, 0.3112,
0.3574


223.5534, 0.3120,
0.3441

 23.5916, 0.3109,
0.3616

270.7491, 0.3121,
0.3431

 15.0309, 0.3105,
0.3671

324.1596, 0.3121,
0.3423

 8.8411, 0.3098,
0.3749

384.1692, 0.3122,

 4.6377, 0.3087,

0.3415

0.3867

451.1624, 0.3122,
0.3409

■ 2.0363, 0.3065,
0.4066

■ 0.6284, 0.3044,
0.5473

■ 89.2302, 0.3117,
0.3496

■ 89.2302, 0.3117,
0.3496

■ 84.1898, 0.3103,
0.3783

■ 95.0562, 0.3129,
0.3245

■ 79.8905, 0.3087,
0.4103

■ 95.6251, 0.3130,
0.3223

■ 76.3008, 0.3071,
0.4451

■ 73.3827, 0.3053,
0.4812

■ 71.0944, 0.3037,
0.5165

■ 69.3896, 0.3022,
0.5482

■ 68.2155, 0.3011,
0.5736

■ 67.5100, 0.3003,
0.5905

■ 67.1882, 0.3000,
0.5988

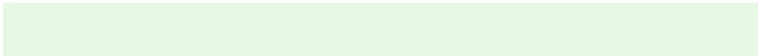
Harmonies

Analogous

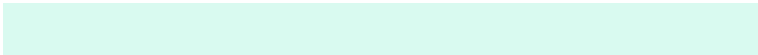
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2302, 0.3257, 0.3538



89.2302, 0.3117, 0.3496



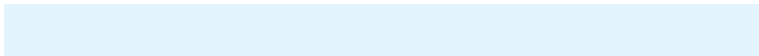
89.2302, 0.2982, 0.3395

Triad

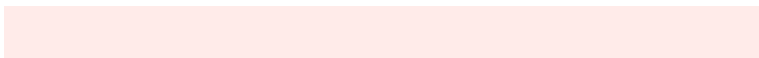
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2302, 0.3117, 0.3496



89.2302, 0.2895, 0.3070



89.2302, 0.3372, 0.3307

Complementary

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



89.2302, 0.3117, 0.3496



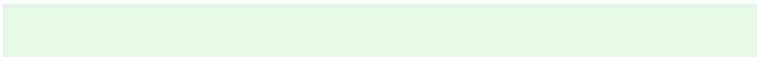
82.1925, 0.3137, 0.3092

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.



89.2302, 0.3271, 0.3188



89.2302, 0.3117, 0.3496



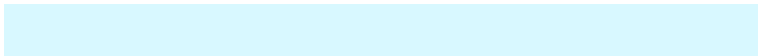
89.2302, 0.2995, 0.3053

Square

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



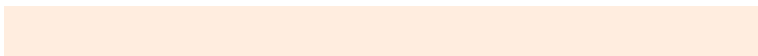
89.2302, 0.3117, 0.3496



89.2302, 0.2856, 0.3147



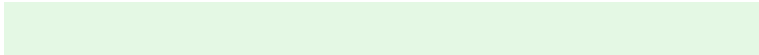
89.2302, 0.3133, 0.3096



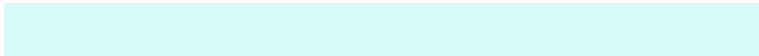
89.2302, 0.3406, 0.3424

Rectangle

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



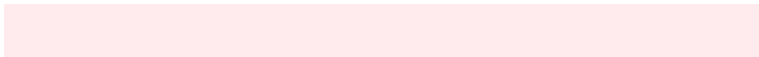
89.2302, 0.3117, 0.3496



89.2302, 0.2913, 0.3309



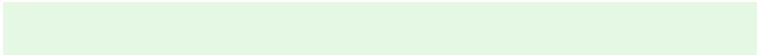
89.2302, 0.3133, 0.3096



89.2302, 0.3345, 0.3266

Sweetspot

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



89.2340, 0.3117, 0.3496



98.7226, 0.3125, 0.3339



92.7034, 0.3248, 0.3489



21.1441, 0.3125, 0.3336



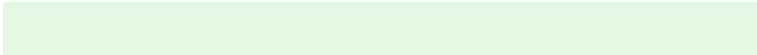
0.0000, 0.0000, 0.0000



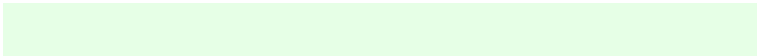
21.4041, 0.3127, 0.3290

Same Dimension

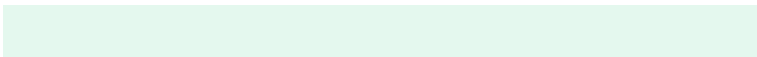
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2340, 0.3117, 0.3496



93.9511, 0.3114, 0.3548



89.8031, 0.3059, 0.3392



19.3103, 0.3115, 0.3534



36.2679, 0.2999, 0.5998



3.3594, 0.2998, 0.5992

Inverse Universe

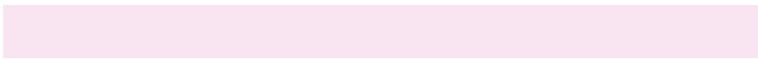
The Inverse Universe completely reimagines the original color for something new.



82.1925, 0.3137, 0.3092



84.7893, 0.3139, 0.3044



81.5911, 0.3201, 0.3190



17.5234, 0.3139, 0.3057



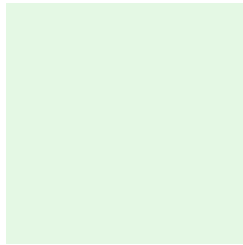
14.4099, 0.3219, 0.1547



1.3350, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 89.2302, 0.3117, 0.3496 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 89.2302, 0.3117, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

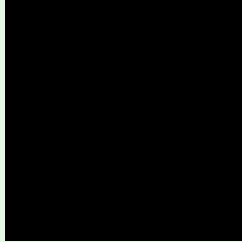
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

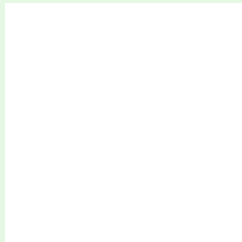
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2302, 0.3117, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 89.2302, 0.3117, 0.3496.

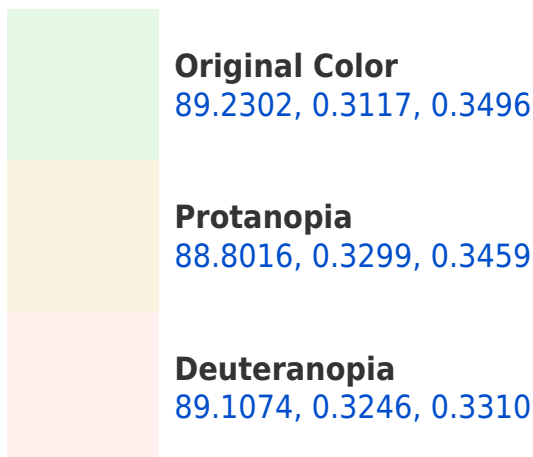


This preview shows how white text looks on a background with the Yxy color 89.2302, 0.3117, 0.3496.

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

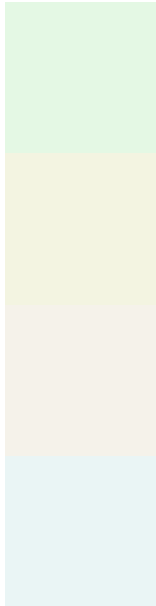




Tritanopia

89.3257, 0.3018, 0.3171

Trichromacy



Original Color

89.2302, 0.3117, 0.3496

Protanomaly

89.1923, 0.3236, 0.3482

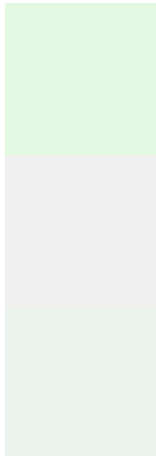
Deuteranomaly

88.8573, 0.3196, 0.3370

Tritanomaly

89.3898, 0.3057, 0.3290

Monochromacy



Original Color

89.2302, 0.3117, 0.3496

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.9902, 0.3124, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2302, 0.3117, 0.3496 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(228, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(228, 248, 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(228, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 248, 228) }
```

Border

The CSS property to change the border of an element to Yxy 89.2302, 0.3117, 0.3496 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(228, 248, 228) }
```

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

```
.border{ border-color:rgb(228, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(228, 248,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2302, 0.3117, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 248, 228) }
```

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

```
.background{ background-color: rgb(228,  
248, 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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