

Converting Colors

$Y_{xy}(100.0000, 0.3127, 0.3596)$

Have a look what the booklet for
Yxy(100.0000, 0.3127, 0.3596)
contains.

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Color

Yxy(94.8386, 0.3129, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	EAF FE8
RGB	234, 255, 232
RGB Percent	92%, 100%, 91%
CMY	0.0823, 0.0000, 0.0903
CMYK	0.08, 0.00, 0.09, 0.00
HSL	115°, 100%, 95%
HSV	115°, 9%, 100%
XYZ	84.2561, 94.8386, 90.1801
YIQ	246.0990, -5.1330, -11.6050

Conversions

Conversions Part 2

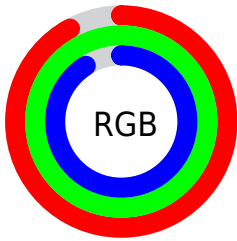
Format	Color
R _Y B	232, 255, 253
Decimal	15400936
CIE Lab	97.97, -10.93, 8.68
CIE LCh	98, 13.957, 141.564
Yxy	94.8386, 0.3129, 0.3522
Android (android.graphics.Color)	4293591016 (0xFFEAF _E E8)
YUV	246.0990, -6.9508, -10.6108
Hunter-Lab	97.3851, -15.9885, 13.2661

Details

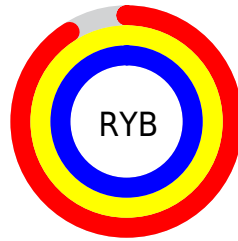
The Yxy color **94.8386, 0.3129, 0.3522** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7856, 0.3124, 0.3067**, and the grayscale version is **92.3033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **52.9877, 0.3130, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **89.8161, 0.3129, 0.3810**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

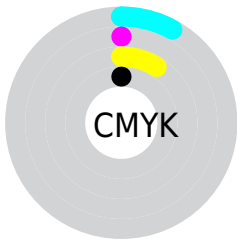
Distribution



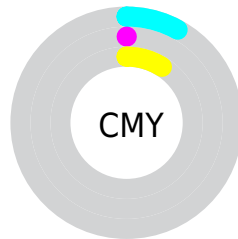
- Red (92%)
- Green (100%)
- Blue (91%)



- Red (91%)
- Yellow (100%)
- Blue (99%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 94.8386, 0.3129, 0.3522 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 94.8386, 0.3129, 0.3522 by changing the saturation by 10% instead.


 94.8386, 0.3129,
0.3522

 94.8386, 0.3129,
0.3522


543.6481, 0.3129,
0.3418

 72.0006, 0.3129,
0.3545


154.0416, 0.3129,
0.3487

 53.1592, 0.3129,
0.3573


191.1754, 0.3129,
0.3473

 37.9299, 0.3128,
0.3608


233.8434, 0.3129,
0.3460

 25.9283, 0.3127,
0.3653

282.4298, 0.3129,
0.3450

 16.7700, 0.3126,
0.3713

337.3191, 0.3129,
0.3440

 10.0706, 0.3123,
0.3796

398.8956, 0.3129,

 5.4458, 0.3117,

0.3432

0.3919

467.5439, 0.3129,
0.3425

■ 2.5111, 0.3104,
0.4122

■ 0.8822, 0.3162,
0.4880

■ 94.8386, 0.3129,
0.3522

■ 94.8386, 0.3129,
0.3522

■ 89.8161, 0.3129,
0.3810

100.0000, 0.3127,
0.3290

■ 85.4899, 0.3127,
0.4130

■ 81.8297, 0.3121,
0.4473

■ 78.8022, 0.3111,
0.4828

■ 76.3714, 0.3097,
0.5172

■ 74.4977, 0.3079,
0.5481

■ 73.1366, 0.3058,
0.5729

■ 72.2365, 0.3036,
0.5896

■ 71.7315, 0.3017,
0.5982

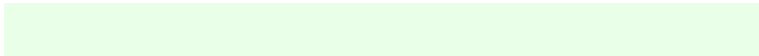
Harmonies

Analogous

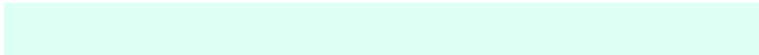
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.8386, 0.3280, 0.3561



94.8386, 0.3129, 0.3522



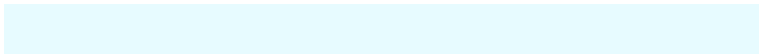
94.8386, 0.2980, 0.3416

Triad

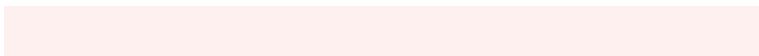
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



94.8386, 0.3129, 0.3522



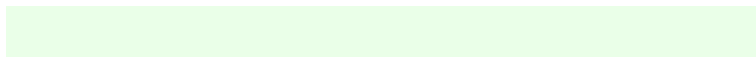
94.8386, 0.2867, 0.3055



94.8386, 0.3388, 0.3296

Complementary

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



94.8386, 0.3129, 0.3522



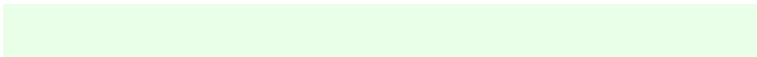
85.7856, 0.3124, 0.3067

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.



94.8386, 0.3273, 0.3168



94.8386, 0.3129, 0.3522



94.8386, 0.2972, 0.3031

Square

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



94.8386, 0.3129, 0.3522



94.8386, 0.2832, 0.3143



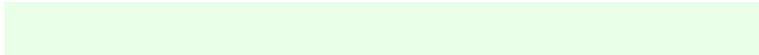
94.8386, 0.3119, 0.3072



94.8386, 0.3432, 0.3426

Rectangle

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



94.8386, 0.3129, 0.3522



94.8386, 0.2902, 0.3323



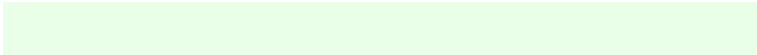
94.8386, 0.3119, 0.3072



94.8386, 0.3356, 0.3252

Sweetspot

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



94.8391, 0.3129, 0.3522



98.2192, 0.3128, 0.3364



97.1431, 0.3264, 0.3491



20.9235, 0.3128, 0.3384



0.0000, 0.0000, 0.0000



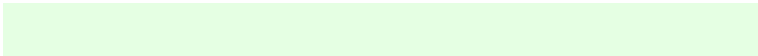
21.4041, 0.3127, 0.3290

Same Dimension

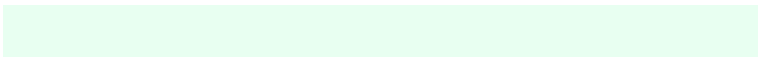
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.8391, 0.3129, 0.3522



93.7951, 0.3129, 0.3576



95.0312, 0.3064, 0.3428



20.2454, 0.3129, 0.3535



37.4902, 0.3020, 0.5984



3.6753, 0.3061, 0.5951

Inverse Universe

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



85.7856, 0.3124, 0.3067



82.9201, 0.3123, 0.3017



85.5933, 0.3196, 0.3156



18.2133, 0.3124, 0.3055



12.7962, 0.2986, 0.1418



1.2690, 0.3013, 0.1433

Previews

White Background



This preview shows how the Yxy color 94.8386, 0.3129, 0.3522 looks on a white background.

Color Contrast Check

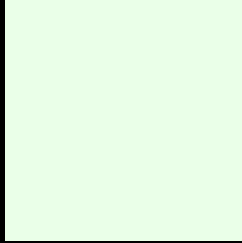
Large Text (above 18pt) WCAG AA × Fail

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 94.8386, 0.3129, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

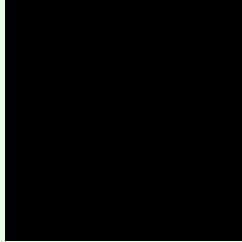
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

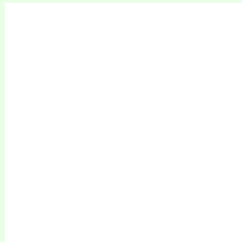
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 94.8386, 0.3129, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 94.8386, 0.3129, 0.3522.

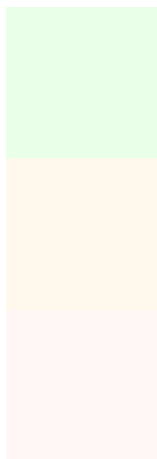


This preview shows how white text looks on a background with the Yxy color 94.8386, 0.3129, 0.3522.

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

94.8386, 0.3129, 0.3522

Protanopia

94.4509, 0.3244, 0.3407

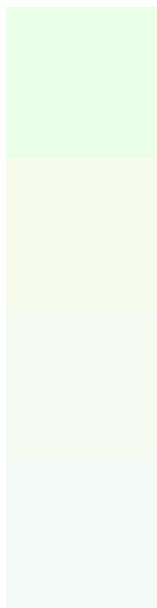
Deuteranopia

94.4353, 0.3185, 0.3300

Tritanopia

94.5642, 0.3073, 0.3232

Trichromacy



Original Color

94.8386, 0.3129, 0.3522

Protanomaly

94.7667, 0.3196, 0.3448

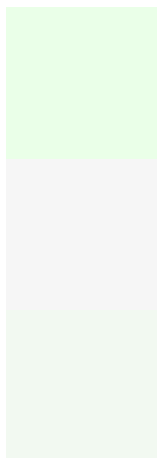
Deuteranomaly

94.4962, 0.3161, 0.3378

Tritanomaly

94.5870, 0.3094, 0.3329

Monochromacy



Original Color

94.8386, 0.3129, 0.3522

Achromatopsia

92.1582, 0.3127, 0.3290

Achromatomaly

92.9795, 0.3130, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 94.8386, 0.3129, 0.3522 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(234, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 232)  
}
```

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(234, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 94.8386, 0.3129, 0.3522 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(234, 255, 232) }
```

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

```
.border{ border-color:rgb(234, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 94.8386, 0.3129, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 232) }
```

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

```
.background{ background-color: rgb(234,  
255, 232) }
```

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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