

Converting Colors

$Yxy(89.7127, 0.3118, 0.3475)$

Have a look what the booklet for
Yxy(89.7127, 0.3118, 0.3475)
contains.

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Color

Yxy(89.6710, 0.3119, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	E6F8E6
RGB	230, 248, 230
RGB Percent	90%, 97%, 90%
CMY	0.0977, 0.0275, 0.0980
CMYK	0.07, 0.00, 0.07, 0.03
HSL	120°, 56%, 94%
HSV	120°, 7%, 97%
XYZ	80.5077, 89.6710, 87.9416
YIQ	240.5660, -4.9500, -9.4140

Conversions

Conversions Part 2

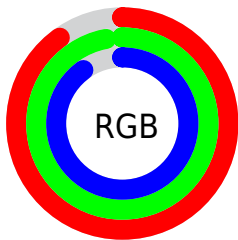
Format	Color
R _{YB}	230, 248, 248
Decimal	15136998
CIE Lab	95.86, -9.07, 6.61
CIE LCh	96, 11.224, 143.939
Yxy	89.6710, 0.3119, 0.3474
Android (android.graphics.Color)	4293327078 (0xFFE6F8E6)
YUV	240.5660, -5.2090, -9.2664
Hunter-Lab	94.6948, -13.9585, 11.2246

Details

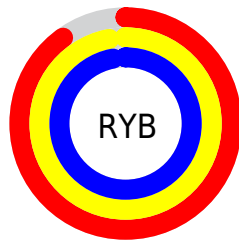
The Yxy color **89.6710, 0.3119, 0.3474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.3200, 0.3135, 0.3113**, and the grayscale version is **87.6630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7931, 0.3109, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **84.5764, 0.3106, 0.3759**, and if you desaturate by 10%, it is **95.5504, 0.3130, 0.3225**.

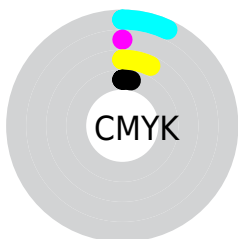
Distribution



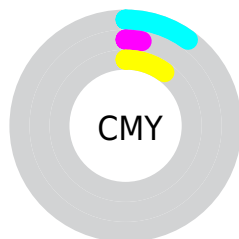
- Red (90%)
- Green (97%)
- Blue (90%)



- Red (90%)
- Yellow (97%)
- Blue (97%)



- Cyan (7%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (10%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6710, 0.3119, 0.3474 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 89.6710, 0.3119, 0.3474 by changing the saturation by 10% instead.


 89.6710, 0.3119,
0.3474

 89.6710, 0.3119,
0.3474

526.9600, 0.3123,
0.3391

 67.7078, 0.3118,
0.3493


146.8813, 0.3121,
0.3446

 49.6601, 0.3117,
0.3515


182.8972, 0.3121,
0.3434

 35.1434, 0.3115,
0.3544

224.3662, 0.3122,
0.3425

 23.7733, 0.3113,
0.3580

271.6725, 0.3122,
0.3416

 15.1656, 0.3109,
0.3629

325.2007, 0.3122,
0.3409

 8.9357, 0.3104,
0.3698

385.3351, 0.3123,

 4.6992, 0.3095,

0.3402

452.4601, 0.3123,
0.3396

0.3802

■ 2.0719, 0.3078,
0.3975

■ 0.6488, 0.3067,
0.5036

■ 89.6710, 0.3119,
0.3474

■ 89.6710, 0.3119,
0.3474

■ 84.5764, 0.3106,
0.3759

■ 95.5504, 0.3130,
0.3225

■ 80.2225, 0.3092,
0.4078

■ 95.6019, 0.3130,
0.3223

■ 76.5783, 0.3076,
0.4424

■ 73.6062, 0.3059,
0.4786

■ 71.2653, 0.3043,
0.5141

■ 69.5098, 0.3028,
0.5462

■ 68.2882, 0.3015,
0.5721

■ 67.5398, 0.3006,
0.5897

■ 67.1874, 0.3001,
0.5984

Harmonies

Analogous

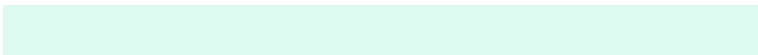
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6710, 0.3244, 0.3511



89.6710, 0.3119, 0.3474



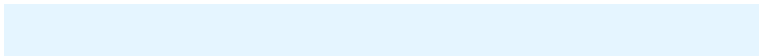
89.6710, 0.2998, 0.3384

Triad

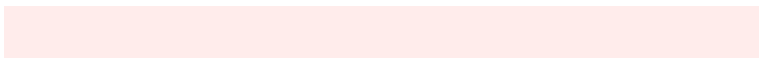
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6710, 0.3119, 0.3474



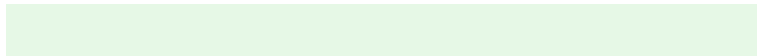
89.6710, 0.2919, 0.3094



89.6710, 0.3346, 0.3305

Complementary

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



89.6710, 0.3119, 0.3474



83.3200, 0.3135, 0.3113

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.



89.6710, 0.3256, 0.3198



89.6710, 0.3119, 0.3474



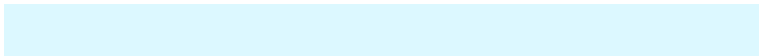
89.6710, 0.3009, 0.3077

Square

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



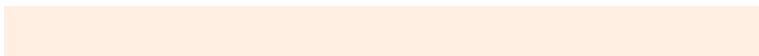
89.6710, 0.3119, 0.3474



89.6710, 0.2884, 0.3163



89.6710, 0.3132, 0.3115



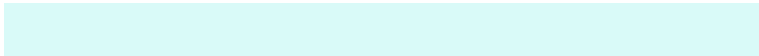
89.6710, 0.3376, 0.3410

Rectangle

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



89.6710, 0.3119, 0.3474



89.6710, 0.2936, 0.3308



89.6710, 0.3132, 0.3115



89.6710, 0.3321, 0.3268

Sweetspot

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



89.6748, 0.3119, 0.3474



98.7253, 0.3125, 0.3339



92.6049, 0.3235, 0.3465



21.1446, 0.3125, 0.3337



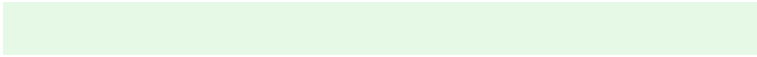
0.0000, 0.0000, 0.0000



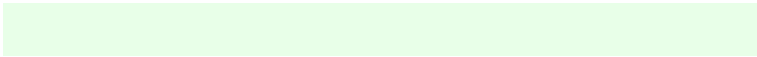
21.4041, 0.3127, 0.3290

Same Dimension

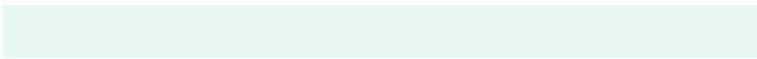
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6748, 0.3119, 0.3474



94.5291, 0.3117, 0.3522



90.1625, 0.3068, 0.3384



19.3127, 0.3116, 0.3535



36.2713, 0.3001, 0.5999



3.3605, 0.3003, 0.5998

Inverse Universe

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



83.3200, 0.3135, 0.3113



86.2034, 0.3137, 0.3068



82.8073, 0.3191, 0.3198



17.5207, 0.3137, 0.3056



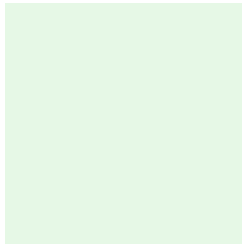
14.3424, 0.3199, 0.1536



1.3295, 0.3200, 0.1537

Previews

White Background



This preview shows how the Yxy color 89.6710, 0.3119, 0.3474 looks on a white background.

Color Contrast Check

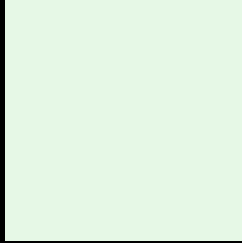
Large Text (above 18pt) WCAG AA × Fail

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 89.6710, 0.3119, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

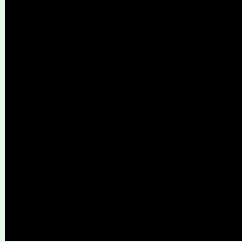
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

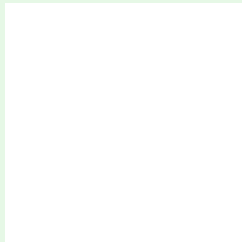
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6710, 0.3119, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 89.6710, 0.3119, 0.3474.

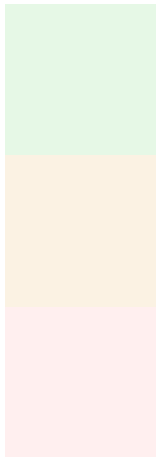


This preview shows how white text looks on a background with the Yxy color 89.6710, 0.3119, 0.3474.

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

89.6710, 0.3119, 0.3474

Protanopia

89.5595, 0.3279, 0.3439

Deuteranopia

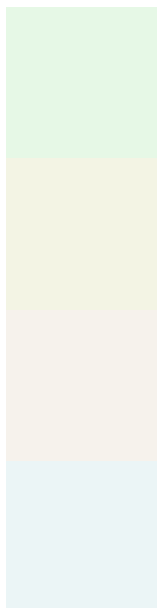
89.2250, 0.3234, 0.3290



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



Original Color

89.6710, 0.3119, 0.3474

Protanomaly

89.3575, 0.3218, 0.3451

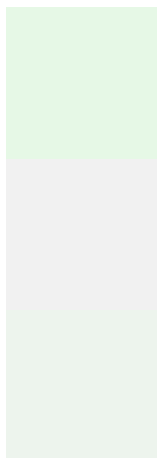
Deuteranomaly

89.1532, 0.3190, 0.3350

Tritanomaly

89.6208, 0.3058, 0.3280

Monochromacy



Original Color

89.6710, 0.3119, 0.3474

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.8203, 0.3124, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6710, 0.3119, 0.3474 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(230, 248, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 248, 230)  
}
```

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(230, 248, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 248, 230) }
```

Border

The CSS property to change the border of an element to Yxy 89.6710, 0.3119, 0.3474 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(230, 248, 230) }
```

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

```
.border{ border-color:rgb(230, 248, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 248, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 248, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 248, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 248,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6710, 0.3119, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 248, 230) }
```

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

```
.background{ background-color: rgb(230,  
248, 230) }
```

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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