

Converting Colors

Yxy(89.5743, 0.3106, 0.3464)

Have a look what the booklet for
Yxy(89.5743, 0.3106, 0.3464)
contains.

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Color

Yxy(89.5623, 0.3106, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	E5F8E7
RGB	229, 248, 231
RGB Percent	90%, 97%, 91%
CMY	0.1020, 0.0274, 0.0940
CMYK	0.08, 0.00, 0.07, 0.03
HSL	126°, 58%, 94%
HSV	126°, 8%, 97%
XYZ	80.3062, 89.5623, 88.6832
YIQ	240.3810, -5.8670, -9.3150

Conversions

Conversions Part 2

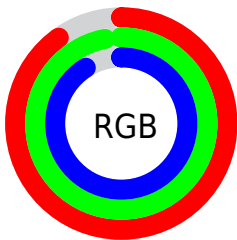
Format	Color
R _Y B	229, 246, 248
Decimal	15071463
CIE Lab	95.81, -9.27, 6.01
CIE LCh	96, 11.050, 147.067
Yxy	89.5623, 0.3106, 0.3464
Android (android.graphics.Color)	4293261543 (0xFFE5F8E7)
YUV	240.3810, -4.6248, -9.9811
Hunter-Lab	94.6374, -14.1462, 10.6864

Details

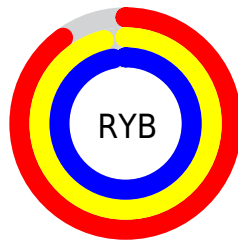
The Yxy color **89.5623, 0.3106, 0.3464** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.6427, 0.3149, 0.3122**, and the grayscale version is **87.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6787, 0.3100, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **84.6011, 0.3078, 0.3718**, and if you desaturate by 10%, it is **95.2721, 0.3133, 0.3241**.

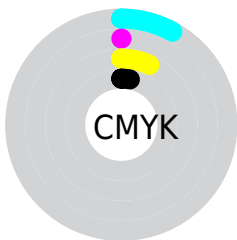
Distribution



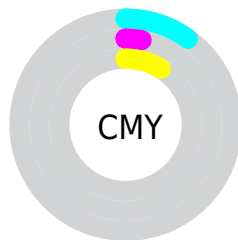
- Red (90%)
- Green (97%)
- Blue (91%)



- Red (90%)
- Yellow (96%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)





- Cyan (10%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5623, 0.3106, 0.3464 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 89.5623, 0.3106, 0.3464 by changing the saturation by 10% instead.

 89.5623, 0.3106,
0.3464

 89.5623, 0.3106,
0.3464


526.6060, 0.3116,
0.3385

 67.6177, 0.3104,
0.3482

146.7303, 0.3109,
0.3437

 49.5868, 0.3101,
0.3503


182.7224, 0.3111,
0.3427

 35.0852, 0.3097,
0.3530


224.1658, 0.3112,
0.3417

 23.7285, 0.3092,
0.3564

271.4449, 0.3113,
0.3409

 15.1323, 0.3086,
0.3611

324.9441, 0.3114,
0.3402

 8.9123, 0.3076,
0.3676

385.0477, 0.3115,

 4.6840, 0.3061,

0.3396

0.3774

452.1402, 0.3115,
0.3391

■ 2.0631, 0.3034,
0.3938

■ 0.6437, 0.2942,
0.4913

■ 89.5623, 0.3106,
0.3464

■ 89.5623, 0.3106,
0.3464

■ 84.6011, 0.3078,
0.3718

■ 95.2721, 0.3133,
0.3241

■ 80.3464, 0.3049,
0.4003

■ 95.6177, 0.3130,
0.3223

■ 76.7696, 0.3021,
0.4314

■ 73.8355, 0.2997,
0.4643

■ 71.5058, 0.2978,
0.4974

■ 69.7381, 0.2966,
0.5289

■ 68.4845, 0.2963,
0.5563

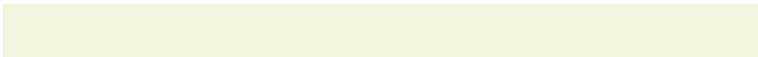
■ 67.6890, 0.2968,
0.5776

■ 67.2786, 0.2981,
0.5915

Harmonies

Analogous

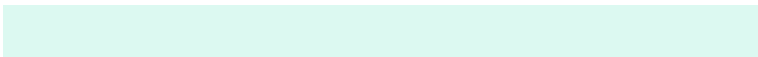
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5623, 0.3230, 0.3507



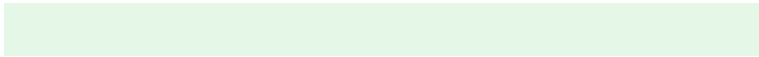
89.5623, 0.3106, 0.3464



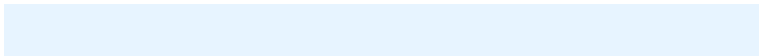
89.5623, 0.2989, 0.3372

Triad

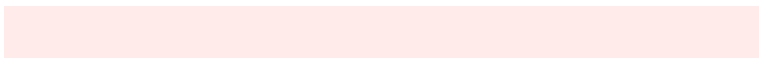
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5623, 0.3106, 0.3464



89.5623, 0.2929, 0.3092



89.5623, 0.3349, 0.3316

Complementary

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



89.5623, 0.3106, 0.3464



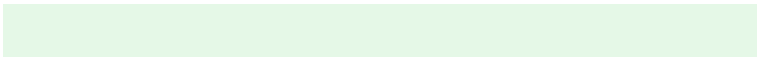
82.6427, 0.3149, 0.3122

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.



89.5623, 0.3265, 0.3210



89.5623, 0.3106, 0.3464



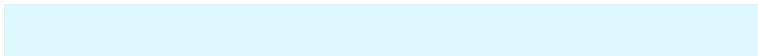
89.5623, 0.3022, 0.3082

Square

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



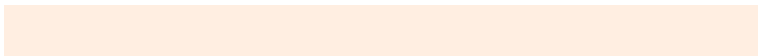
89.5623, 0.3106, 0.3464



89.5623, 0.2889, 0.3156



89.5623, 0.3145, 0.3125



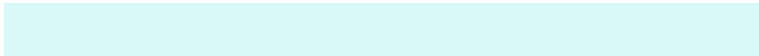
89.5623, 0.3372, 0.3418

Rectangle

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



89.5623, 0.3106, 0.3464



89.5623, 0.2931, 0.3296



89.5623, 0.3145, 0.3125



89.5623, 0.3327, 0.3280

Sweetspot

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



89.5661, 0.3106, 0.3464



98.7559, 0.3122, 0.3334



92.4060, 0.3229, 0.3479



21.1508, 0.3122, 0.3332



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

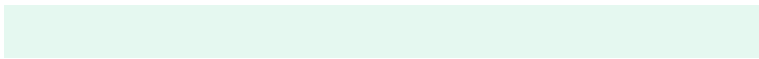
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5661, 0.3106, 0.3464



94.6547, 0.3102, 0.3496



90.1095, 0.3052, 0.3367



19.3396, 0.3101, 0.3508



36.3179, 0.2979, 0.5924



3.3733, 0.2938, 0.5777

Inverse Universe

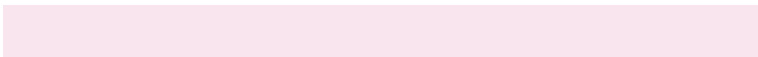
The Inverse Universe completely reimagines the original color for something new.



82.6427, 0.3149, 0.3122



86.0633, 0.3153, 0.3092



82.0824, 0.3209, 0.3214



17.4905, 0.3155, 0.3081



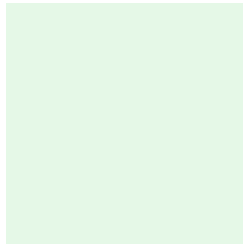
13.6221, 0.3501, 0.1702



1.2706, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 89.5623, 0.3106, 0.3464 looks on a white background.

Color Contrast Check

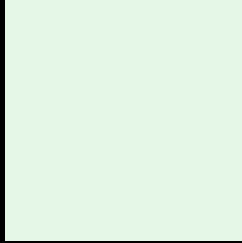
Large Text (above 18pt) WCAG AA × Fail

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 89.5623, 0.3106, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

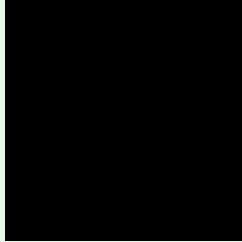
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

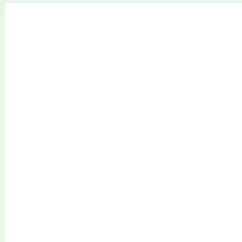
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5623, 0.3106, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 89.5623, 0.3106, 0.3464.

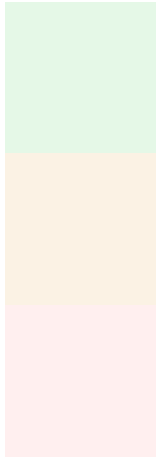


This preview shows how white text looks on a background with the Yxy color 89.5623, 0.3106, 0.3464.

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**

89.5623, 0.3106, 0.3464

Protanopia

89.6149, 0.3273, 0.3429

Deuteranopia

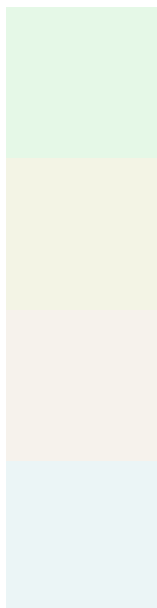
89.2250, 0.3234, 0.3290



Tritanopia

89.4983, 0.3024, 0.3171

Trichromacy



Original Color

89.5623, 0.3106, 0.3464

Protanomaly

89.4132, 0.3212, 0.3441

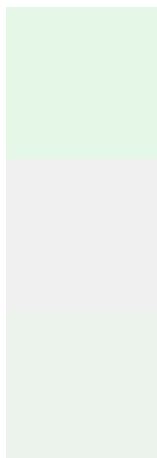
Deuteranomaly

89.1532, 0.3190, 0.3350

Tritanomaly

89.6208, 0.3058, 0.3280

Monochromacy



Original Color

89.5623, 0.3106, 0.3464

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

88.0485, 0.3118, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5623, 0.3106, 0.3464 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(229, 248, 231)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 231)  
}
```

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(229, 248, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 231) }
```

Border

The CSS property to change the border of an element to Yxy 89.5623, 0.3106, 0.3464 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(229, 248, 231) }
```

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

```
.border{ border-color:rgb(229, 248, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 248, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 231);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5623, 0.3106, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 231) }
```

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

```
.background{ background-color: rgb(229,  
248, 231) }
```

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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