

Converting Colors

$Yxy(89.4995, 0.3231, 0.3673)$

Have a look what the booklet for
Yxy(89.4995, 0.3231, 0.3673)
contains.

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Color

Yxy(89.4938, 0.3231, 0.3673)

Conversions

Conversions Part 1

Format	Color
Hex	E7F9D4
RGB	231, 249, 212
RGB Percent	91%, 98%, 83%
CMY	0.0940, 0.0235, 0.1685
CMYK	0.07, 0.00, 0.15, 0.02
HSL	89°, 75%, 90%
HSV	89°, 15%, 98%
XYZ	78.7243, 89.4938, 75.4350
YIQ	239.4000, 1.1490, -15.3230

Conversions

Conversions Part 2

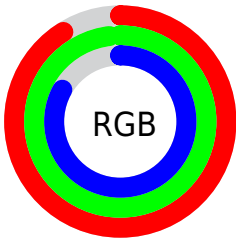
Format	Color
R _Y B	212, 249, 230
Decimal	15202772
CIE Lab	95.79, -12.28, 15.76
CIE LCh	96, 19.980, 127.906
Yxy	89.4938, 0.3231, 0.3673
Android (android.graphics.Color)	4293392852 (0xFFE7F9D4)
YUV	239.4000, -13.5082, -7.3668
Hunter-Lab	94.6012, -17.0095, 18.9429

Details

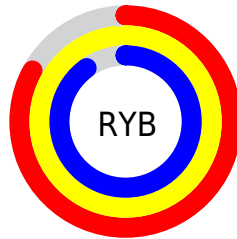
The Yxy color $89.4938, 0.3231, 0.3673$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $70.7682, 0.3010, 0.2907$, and the grayscale version is $86.7585, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $49.6882, 0.3251, 0.3771$ is the 20% darker color. If you saturate the color by 10%, you get $86.3907, 0.3299, 0.3955$, and if you desaturate by 10%, it is $92.9378, 0.3161, 0.3410$.

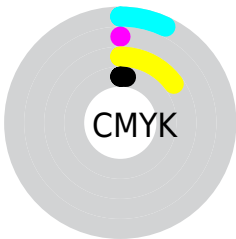
Distribution



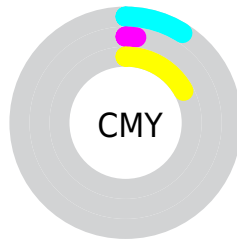
- Red (91%)
- Green (98%)
- Blue (83%)



- Red (83%)
- Yellow (98%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)





- Cyan (9%)
- Magenta (2%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.4938, 0.3231, 0.3673 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 89.4938, 0.3231, 0.3673 by changing the saturation by 10% instead.

 89.4938, 0.3231,
0.3673

 89.4938, 0.3231,
0.3673


526.3828, 0.3187,
0.3499

 67.5609, 0.3240,
0.3712


146.6351, 0.3216,
0.3613

 49.5406, 0.3251,
0.3760


182.6122, 0.3210,
0.3590

 35.0485, 0.3265,
0.3820


224.0395, 0.3205,
0.3569

 23.7002, 0.3281,
0.3898

271.3014, 0.3201,
0.3552

 15.1114, 0.3302,
0.4002

324.7823, 0.3196,
0.3536

 8.8976, 0.3328,
0.4149

384.8666, 0.3193,

 4.6745, 0.3361,

0.3522

0.4370

451.9386, 0.3190,
0.3510

■ 2.0575, 0.3405,
0.4747

■ 0.6406, 0.3255,
0.6745

■ 89.4938, 0.3231,
0.3673

■ 89.4938, 0.3231,
0.3673

■ 86.3907, 0.3299,
0.3955

■ 92.9378, 0.3161,
0.3410

■ 83.6051, 0.3361,
0.4251

■ 96.2288, 0.3130,
0.3233

■ 81.1286, 0.3414,
0.4552

■ 78.9478, 0.3453,
0.4845

■ 77.0480, 0.3473,
0.5116

■ 75.4132, 0.3471,
0.5349

■ 74.0250, 0.3447,
0.5532

■ 72.8613, 0.3401,
0.5657

■ 72.3339, 0.3373,
0.5704

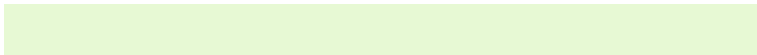
Harmonies

Analogous

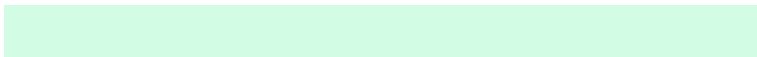
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4938, 0.3434, 0.3675



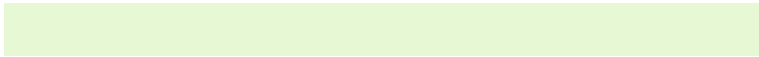
89.4938, 0.3231, 0.3673



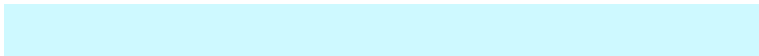
89.4938, 0.3006, 0.3557

Triad

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



89.4938, 0.3231, 0.3673



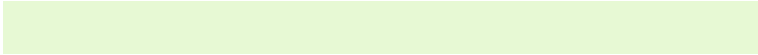
89.4938, 0.2714, 0.2994



89.4938, 0.3442, 0.3210

Complementary

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



89.4938, 0.3231, 0.3673



70.7682, 0.3010, 0.2907

Split Complementary

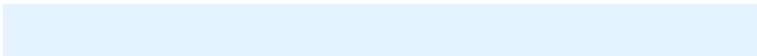
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4938, 0.3239, 0.3044



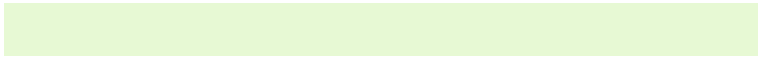
89.4938, 0.3231, 0.3673



89.4938, 0.2821, 0.2918

Square

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



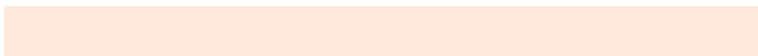
89.4938, 0.3231, 0.3673



89.4938, 0.2713, 0.3154



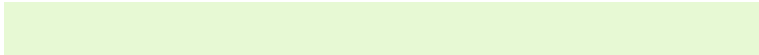
89.4938, 0.3012, 0.2938



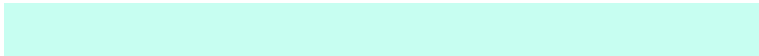
89.4938, 0.3560, 0.3401

Rectangle

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



89.4938, 0.3231, 0.3673



89.4938, 0.2873, 0.3432



89.4938, 0.3012, 0.2938



89.4938, 0.3382, 0.3150

Sweetspot

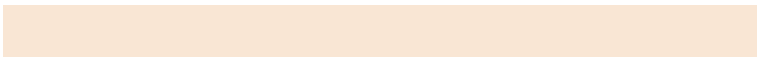
The Sweet Spot groups the original color and five complimentary colors.



89.4977, 0.3231, 0.3673



98.4320, 0.3155, 0.3389



81.4324, 0.3378, 0.3472



21.0068, 0.3160, 0.3408



0.0000, 0.0000, 0.0000



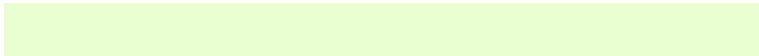
21.4041, 0.3127, 0.3290

Same Dimension

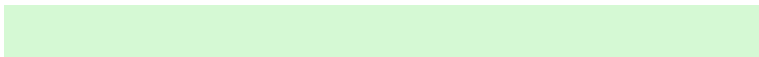
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4977, 0.3231, 0.3673



93.3992, 0.3253, 0.3761



86.5983, 0.3112, 0.3687



19.7477, 0.3194, 0.3530



38.8057, 0.3384, 0.5695



3.6572, 0.3473, 0.5625

Inverse Universe

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



70.7682, 0.3010, 0.2907



69.9279, 0.2981, 0.2819



73.9705, 0.3140, 0.2922



17.0571, 0.3055, 0.3050



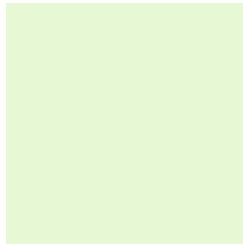
5.9228, 0.1995, 0.0873



0.6114, 0.2125, 0.0944

Previews

White Background



This preview shows how the Yxy color 89.4938, 0.3231, 0.3673 looks on a white background.

Color Contrast Check

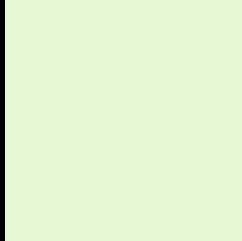
Large Text (above 18pt) WCAG AA × Fail

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 89.4938, 0.3231, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

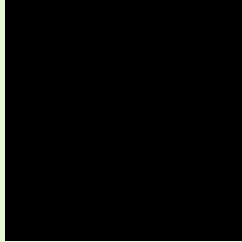
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

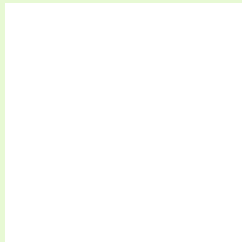
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4938, 0.3231, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 89.4938, 0.3231, 0.3673.

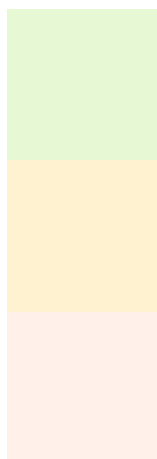


This preview shows how white text looks on a background with the Yxy color 89.4938, 0.3231, 0.3673.

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

89.4938, 0.3231, 0.3673

Protanopia

89.3183, 0.3428, 0.3628

Deuteranopia

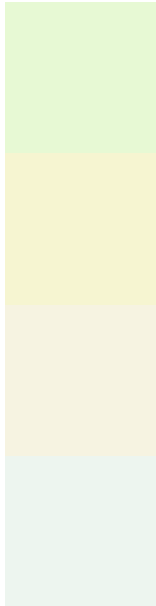
89.4634, 0.3271, 0.3359



Tritanopia

89.2495, 0.3037, 0.3161

Trichromacy



Original Color

89.4938, 0.3231, 0.3673

Protanomaly

89.5011, 0.3355, 0.3654

Deuteranomaly

89.1303, 0.3257, 0.3471

Tritanomaly

89.5413, 0.3111, 0.3350

Monochromacy



Original Color

89.4938, 0.3231, 0.3673

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.5912, 0.3166, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4938, 0.3231, 0.3673 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(231, 249, 212)` looks like.

```
.text, #text, p{  
    color:rgb(231, 249, 212)  
}
```

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(231, 249, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 249, 212) }
```

Border

The CSS property to change the border of an element to Yxy 89.4938, 0.3231, 0.3673 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(231, 249, 212) }
```

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

```
.border{ border-color:rgb(231, 249, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 249, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 249, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 249, 212);  
box-shadow:4px 4px 4px 4px rgb(231, 249,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4938, 0.3231, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 249, 212) }
```

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

```
.background{ background-color: rgb(231,  
249, 212) }
```

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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