

Converting Colors

$Yxy(89.1095, 0.3138, 0.3528)$

Have a look what the booklet for
Yxy(89.1095, 0.3138, 0.3528)
contains.

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Color

Yxy(89.0650, 0.3135, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	E4F8E1
RGB	228, 248, 225
RGB Percent	89%, 97%, 88%
CMY	0.1060, 0.0274, 0.1177
CMYK	0.08, 0.00, 0.09, 0.03
HSL	112°, 62%, 93%
HSV	112°, 9%, 97%
XYZ	79.1436, 89.0650, 84.2432
YIQ	239.3980, -4.5370, -11.3930

Conversions

Conversions Part 2

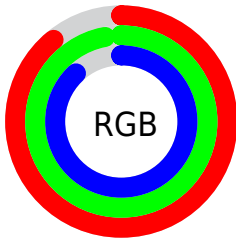
Format	Color
R _Y B	225, 248, 245
Decimal	15005921
CIE Lab	95.61, -10.67, 8.82
CIE LCh	96, 13.845, 140.427
Yxy	89.0650, 0.3135, 0.3528
Android (android.graphics.Color)	4293196001 (0xFFE4F8E1)
YUV	239.3980, -7.0982, -9.9960
Hunter-Lab	94.3743, -15.4622, 13.1368

Details

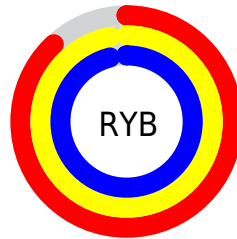
The Yxy color **89.0650, 0.3135, 0.3528** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.0398, 0.3117, 0.3060**, and the grayscale version is **86.6998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4858, 0.3138, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **84.4994, 0.3142, 0.3815**, and if you desaturate by 10%, it is **94.2757, 0.3127, 0.3273**.

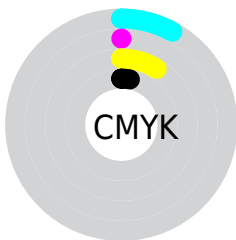
Distribution



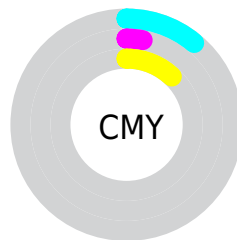
- Red (89%)
- Green (97%)
- Blue (88%)



- Red (88%)
- Yellow (97%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)




- Cyan (11%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0650, 0.3135, 0.3528 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 89.0650, 0.3135, 0.3528 by changing the saturation by 10% instead.


 89.0650, 0.3135,
0.3528

 89.0650, 0.3135,
0.3528


524.9846, 0.3132,
0.3420

 67.2054, 0.3135,
0.3552


146.0390, 0.3134,
0.3491

 49.2516, 0.3136,
0.3582


181.9221, 0.3134,
0.3476

 34.8191, 0.3136,
0.3619


223.2486, 0.3134,
0.3464

 23.5236, 0.3136,
0.3667

270.4028, 0.3133,
0.3453

 14.9806, 0.3136,
0.3731

323.7691, 0.3133,
0.3443

 8.8058, 0.3135,
0.3822

383.7319, 0.3133,

 4.6147, 0.3131,

0.3435

0.3960

450.6756, 0.3133,
0.3427

■ 2.0230, 0.3120,
0.4192

■ 0.6208, 0.3264,
0.6149

■ 89.0650, 0.3135,
0.3528

■ 89.0650, 0.3135,
0.3528

■ 84.4994, 0.3142,
0.3815

■ 94.2757, 0.3127,
0.3273

■ 80.5429, 0.3145,
0.4132

■ 95.6244, 0.3130,
0.3223

■ 77.1730, 0.3145,
0.4472

■ 74.3616, 0.3139,
0.4821

■ 72.0782, 0.3127,
0.5161

■ 70.2895, 0.3108,
0.5466

■ 68.9580, 0.3084,
0.5713

■ 68.0410, 0.3056,
0.5882

■ 67.4827, 0.3030,
0.5973

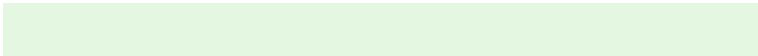
Harmonies

Analogous

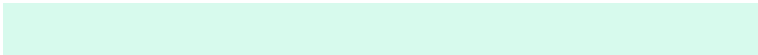
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0650, 0.3287, 0.3565



89.0650, 0.3135, 0.3528



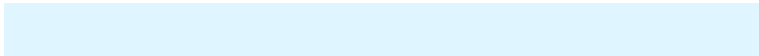
89.0650, 0.2984, 0.3422

Triad

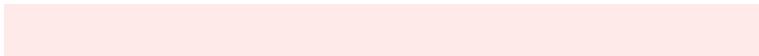
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0650, 0.3135, 0.3528



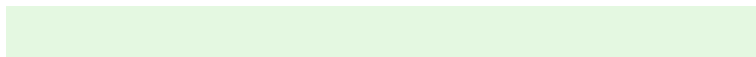
89.0650, 0.2861, 0.3054



89.0650, 0.3388, 0.3291

Complementary

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



89.0650, 0.3135, 0.3528



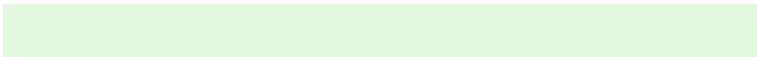
80.0398, 0.3117, 0.3060

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.



89.0650, 0.3269, 0.3162



89.0650, 0.3135, 0.3528



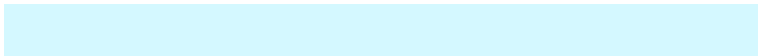
89.0650, 0.2965, 0.3027

Square

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



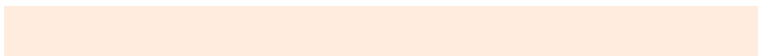
89.0650, 0.3135, 0.3528



89.0650, 0.2828, 0.3145



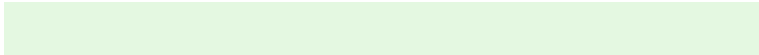
89.0650, 0.3113, 0.3067



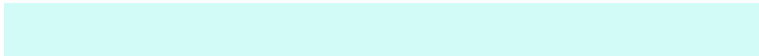
89.0650, 0.3436, 0.3423

Rectangle

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



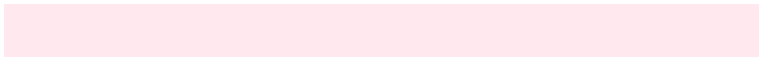
89.0650, 0.3135, 0.3528



89.0650, 0.2903, 0.3329



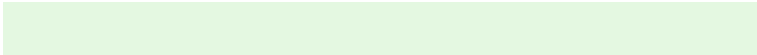
89.0650, 0.3113, 0.3067



89.0650, 0.3355, 0.3246

Sweetspot

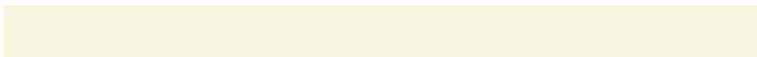
The Sweet Spot groups the original color and five complimentary colors.



89.0688, 0.3135, 0.3528



98.2758, 0.3130, 0.3364



90.6664, 0.3269, 0.3489



20.9387, 0.3131, 0.3384



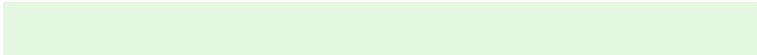
0.0000, 0.0000, 0.0000



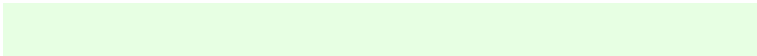
21.4041, 0.3127, 0.3290

Same Dimension

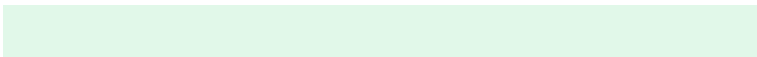
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0688, 0.3135, 0.3528



93.9829, 0.3136, 0.3575



89.0576, 0.3067, 0.3440



19.4169, 0.3135, 0.3534



36.4659, 0.3034, 0.5973



3.4100, 0.3092, 0.5927

Inverse Universe

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



80.0398, 0.3117, 0.3060



82.7083, 0.3115, 0.3016



80.0683, 0.3193, 0.3144



17.4039, 0.3117, 0.3055



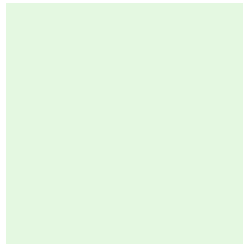
11.5813, 0.2884, 0.1362



1.1034, 0.2925, 0.1385

Previews

White Background



This preview shows how the Yxy color 89.0650, 0.3135, 0.3528 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 89.0650, 0.3135, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

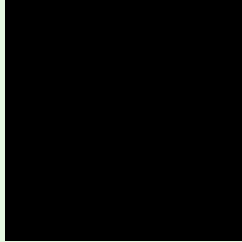
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

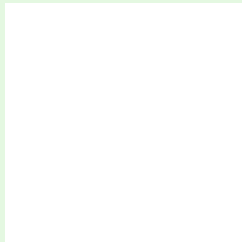
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0650, 0.3135, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 89.0650, 0.3135, 0.3528.

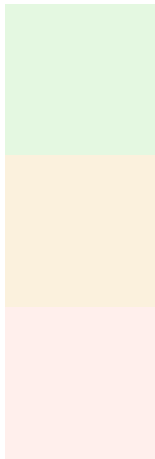


This preview shows how white text looks on a background with the Yxy color 89.0650, 0.3135, 0.3528.

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

89.0650, 0.3135, 0.3528

Protanopia

88.6403, 0.3318, 0.3490

Deuteranopia

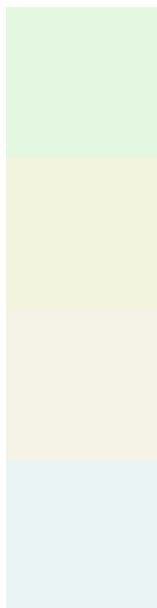
89.0491, 0.3253, 0.3320



Tritanopia

88.7288, 0.3018, 0.3161

Trichromacy



Original Color

89.0650, 0.3135, 0.3528

Protanomaly

89.0300, 0.3255, 0.3512

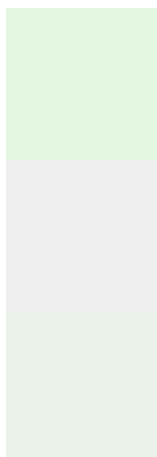
Deuteranomaly

88.7429, 0.3208, 0.3390

Tritanomaly

88.7254, 0.3063, 0.3290

Monochromacy



Original Color

89.0650, 0.3135, 0.3528

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.1069, 0.3130, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0650, 0.3135, 0.3528 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(228, 248, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 248, 225) }
```

Border

The CSS property to change the border of an element to Yxy 89.0650, 0.3135, 0.3528 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, 225) }
```

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

```
.border{ border-color:rgb(228, 248, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 248, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 248, 225);  
box-shadow:4px 4px 4px 4px rgb(228, 248,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0650, 0.3135, 0.3528 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, 225) }
```

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

```
.background{ background-color: rgb(228,  
248, 225) }
```

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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