

Converting Colors

Yxy(86.7163, 0.3222, 0.3635)

Have a look what the booklet for
Yxy(86.7163, 0.3222, 0.3635)
contains.

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Color

Yxy(86.7163, 0.3222, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	E5F5D4
RGB	229, 245, 212
RGB Percent	90%, 96%, 83%
CMY	0.1017, 0.0393, 0.1686
CMYK	0.07, 0.00, 0.13, 0.04
HSL	89°, 62%, 90%
HSV	89°, 13%, 96%
XYZ	76.8638, 86.7163, 74.9792
YIQ	236.4540, 1.0570, -13.6550

Conversions

Conversions Part 2

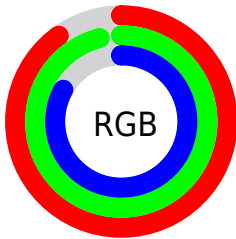
Format	Color
R _Y B	212, 245, 228
Decimal	15070676
CIE Lab	94.62, -10.97, 14.11
CIE LCh	95, 17.868, 127.862
Yxy	86.7163, 0.3222, 0.3635
Android (android.graphics.Color)	4293260756 (0xFFE5F5D4)
YUV	236.4540, -12.0558, -6.5372
Hunter-Lab	93.1216, -15.6265, 17.4463

Details

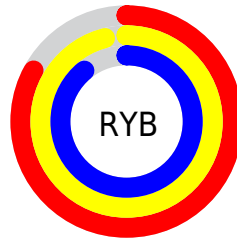
The Yxy color **86.7163, 0.3222, 0.3635** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.1677, 0.3022, 0.2945**, and the grayscale version is **84.3497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7137, 0.3240, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **83.6945, 0.3291, 0.3915**, and if you desaturate by 10%, it is **90.0659, 0.3152, 0.3375**.

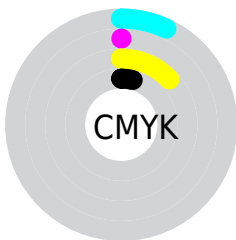
Distribution



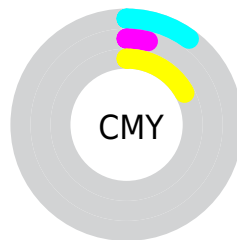
- Red (90%)
- Green (96%)
- Blue (83%)



- Red (83%)
- Yellow (96%)
- Blue (89%)



- Cyan (7%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





- Cyan (10%)
- Magenta (4%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7163, 0.3222, 0.3635 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 86.7163, 0.3222, 0.3635 by changing the saturation by 10% instead.

 86.7163, 0.3222,
0.3635

 86.7163, 0.3222,
0.3635


517.2902, 0.3181,
0.3477

 65.2605, 0.3231,
0.3671


142.7686, 0.3208,
0.3581

 47.6723, 0.3241,
0.3714


178.1339, 0.3203,
0.3559

 33.5675, 0.3254,
0.3769


218.9045, 0.3198,
0.3541

 22.5615, 0.3270,
0.3840

265.4647, 0.3194,
0.3525

 14.2701, 0.3290,
0.3936

318.1990, 0.3190,
0.3511

 8.3087, 0.3316,
0.4072

377.4918, 0.3187,

 4.2931, 0.3349,

0.3499

0.4278

443.7273, 0.3184,
0.3487

■ 1.8389, 0.3401,
0.4641

■ 0.5112, 0.2991,
0.7009

■ 86.7163, 0.3222,
0.3635

■ 86.7163, 0.3222,
0.3635

■ 83.6945, 0.3291,
0.3915

■ 90.0659, 0.3152,
0.3375

■ 80.9782, 0.3355,
0.4209

■ 93.3496, 0.3117,
0.3194

■ 78.5593, 0.3410,
0.4509

■ 93.7783, 0.3132,
0.3194

■ 76.4253, 0.3451,
0.4803

■ 74.5624, 0.3475,
0.5077

■ 72.9553, 0.3477,
0.5316

■ 71.5868, 0.3456,
0.5506

■ 70.4365, 0.3413,
0.5639

■ 69.7840, 0.3378,
0.5700

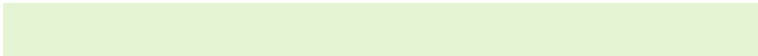
Harmonies

Analogous

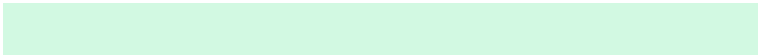
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7163, 0.3405, 0.3638



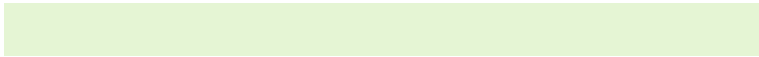
86.7163, 0.3222, 0.3635



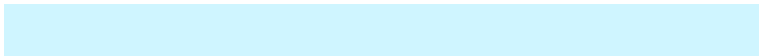
86.7163, 0.3018, 0.3531

Triad

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



86.7163, 0.3222, 0.3635



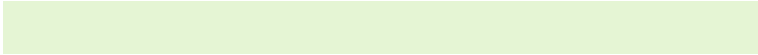
86.7163, 0.2753, 0.3023



86.7163, 0.3412, 0.3218

Complementary

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



86.7163, 0.3222, 0.3635



70.1677, 0.3022, 0.2945

Split Complementary

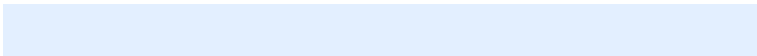
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7163, 0.3229, 0.3066



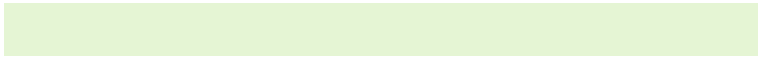
86.7163, 0.3222, 0.3635



86.7163, 0.2850, 0.2953

Square

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



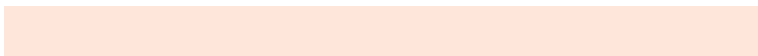
86.7163, 0.3222, 0.3635



86.7163, 0.2752, 0.3168



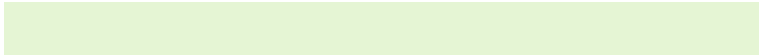
86.7163, 0.3023, 0.2971



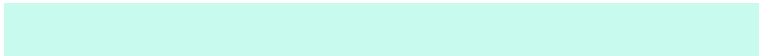
86.7163, 0.3518, 0.3391

Rectangle

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



86.7163, 0.3222, 0.3635



86.7163, 0.2898, 0.3419



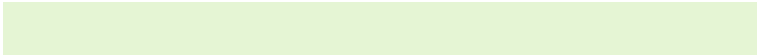
86.7163, 0.3023, 0.2971



86.7163, 0.3357, 0.3163

Sweetspot

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



86.7201, 0.3222, 0.3635



98.4379, 0.3155, 0.3389



79.3218, 0.3353, 0.3449



21.0083, 0.3161, 0.3408



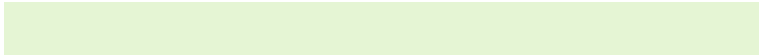
0.0000, 0.0000, 0.0000



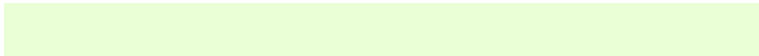
21.4041, 0.3127, 0.3290

Same Dimension

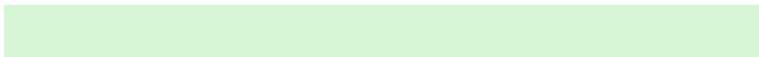
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7201, 0.3222, 0.3635



94.0974, 0.3240, 0.3705



84.2147, 0.3117, 0.3646



18.8933, 0.3194, 0.3529



37.6807, 0.3389, 0.5691



3.3729, 0.3482, 0.5617

Inverse Universe

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



70.1677, 0.3022, 0.2945



72.8911, 0.2999, 0.2874



72.8971, 0.3135, 0.2956



16.3194, 0.3055, 0.3051



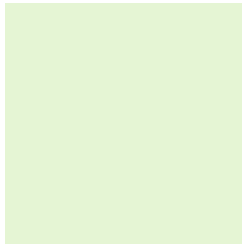
5.7208, 0.1990, 0.0870



0.5637, 0.2127, 0.0945

Previews

White Background



This preview shows how the Yxy color 86.7163, 0.3222, 0.3635 looks on a white background.

Color Contrast Check

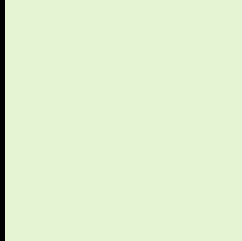
Large Text (above 18pt) WCAG AA × Fail

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 86.7163, 0.3222, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

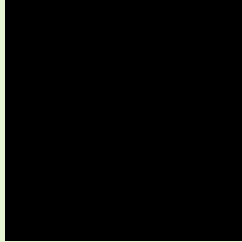
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

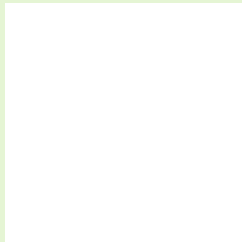
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7163, 0.3222, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 86.7163, 0.3222, 0.3635.

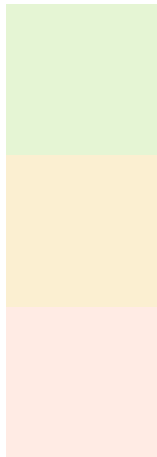


This preview shows how white text looks on a background with the Yxy color 86.7163, 0.3222, 0.3635.

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

86.7163, 0.3222, 0.3635

Protanopia

86.8457, 0.3398, 0.3592

Deuteranopia

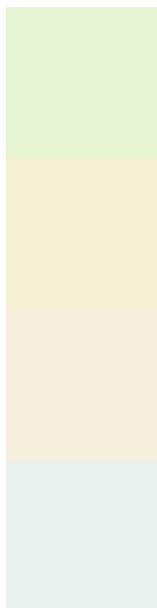
86.2781, 0.3308, 0.3360



Tritanopia

86.7859, 0.3012, 0.3130

Trichromacy



Original Color

86.7163, 0.3222, 0.3635

Protanomaly

86.6184, 0.3333, 0.3607

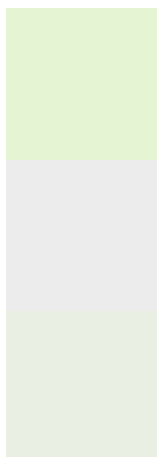
Deuteranomaly

86.5998, 0.3280, 0.3462

Tritanomaly

86.4662, 0.3087, 0.3310

Monochromacy



Original Color

86.7163, 0.3222, 0.3635

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6027, 0.3161, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7163, 0.3222, 0.3635 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, 245, 212)` looks like.

```
.text, #text, p{  
    color:rgb(229, 245, 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(229, 245, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 212) }
```

Border

The CSS property to change the border of an element to Yxy 86.7163, 0.3222, 0.3635 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, 245, 212) }
```

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

```
.border{ border-color:rgb(229, 245, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 245, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 212);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7163, 0.3222, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 212) }
```

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

```
.background{ background-color: rgb(229,  
245, 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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