

Converting Colors

$Yxy(85.9925, 0.3104, 0.3417)$

Have a look what the booklet for
Yxy(85.9925, 0.3104, 0.3417)
contains.

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Color

Yxy(86.3083, 0.3108, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	E4F3E6
RGB	228, 243, 230
RGB Percent	89%, 95%, 90%
CMY	0.1059, 0.0470, 0.0982
CMYK	0.06, 0.00, 0.05, 0.05
HSL	128°, 39%, 92%
HSV	128°, 6%, 95%
XYZ	78.3201, 86.3083, 87.3667
YIQ	237.0330, -4.7670, -7.2230

Conversions

Conversions Part 2

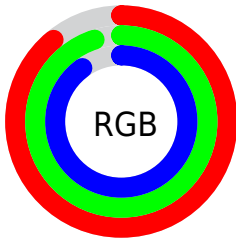
Format	Color
R _Y B	228, 241, 243
Decimal	15004646
CIE Lab	94.44, -7.29, 4.57
CIE LCh	94, 8.609, 147.919
Yxy	86.3083, 0.3108, 0.3425
Android (android.graphics.Color)	4293194726 (0xFFE4F3E6)
YUV	237.0330, -3.4673, -7.9219
Hunter-Lab	92.9023, -12.0968, 9.2744

Details

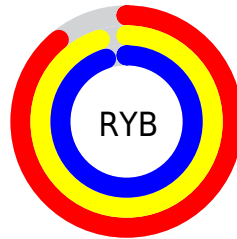
The Yxy color **86.3083, 0.3108, 0.3425** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8880, 0.3147, 0.3159**, and the grayscale version is **84.7435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5200, 0.3103, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **81.4988, 0.3076, 0.3667**, and if you desaturate by 10%, it is **91.8273, 0.3139, 0.3212**.

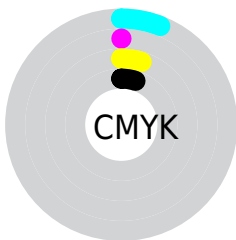
Distribution



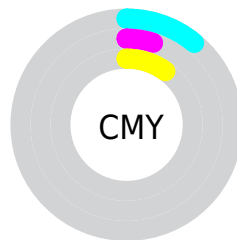
- Red (89%)
- Green (95%)
- Blue (90%)



- Red (89%)
- Yellow (95%)
- Blue (95%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3083, 0.3108, 0.3425 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 86.3083, 0.3108, 0.3425 by changing the saturation by 10% instead.

 86.3083, 0.3108,
0.3425

 86.3083, 0.3108,
0.3425


515.9472, 0.3117,
0.3364

 64.9229, 0.3106,
0.3439

142.1996, 0.3111,
0.3404

 47.3986, 0.3103,
0.3455

177.4744, 0.3112,
0.3396

 33.3509, 0.3100,
0.3477


218.1478, 0.3113,
0.3389

 22.3954, 0.3096,
0.3504

264.6041, 0.3114,
0.3382

 14.1477, 0.3090,
0.3540

317.2278, 0.3115,
0.3377

 8.2235, 0.3082,
0.3592

376.4033, 0.3116,

 4.2383, 0.3069,

0.3372

0.3670

442.5150, 0.3116,
0.3368

■ 1.8077, 0.3045,
0.3804

■ 0.4920, 0.2903,
0.4932

■ 86.3083, 0.3108,
0.3425

■ 86.3083, 0.3108,
0.3425

■ 81.4988, 0.3076,
0.3667

■ 91.8273, 0.3139,
0.3212

■ 77.3594, 0.3045,
0.3939

■ 92.5895, 0.3133,
0.3175

■ 73.8636, 0.3014,
0.4238

■ 70.9790, 0.2987,
0.4556

■ 68.6701, 0.2966,
0.4882

■ 66.8979, 0.2953,
0.5196

■ 65.6186, 0.2949,
0.5478

■ 64.7811, 0.2956,
0.5707

■ 64.3230, 0.2971,
0.5869

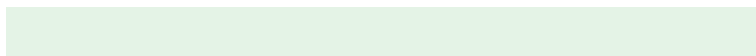
Harmonies

Analogous

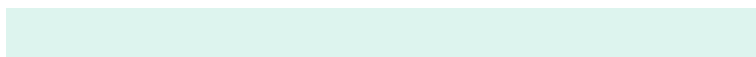
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3083, 0.3206, 0.3460



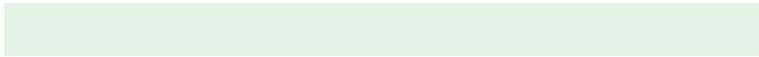
86.3083, 0.3108, 0.3425



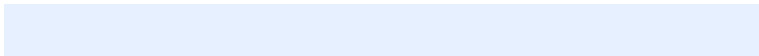
86.3083, 0.3016, 0.3352

Triad

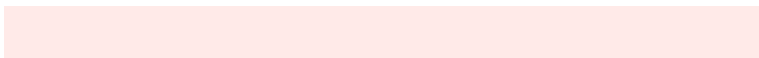
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3083, 0.3108, 0.3425



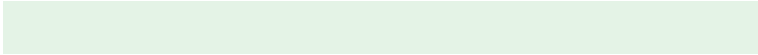
86.3083, 0.2972, 0.3133



86.3083, 0.3303, 0.3314

Complementary

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



86.3083, 0.3108, 0.3425



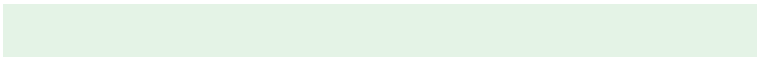
80.8880, 0.3147, 0.3159

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.



86.3083, 0.3238, 0.3229



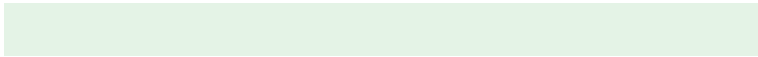
86.3083, 0.3108, 0.3425



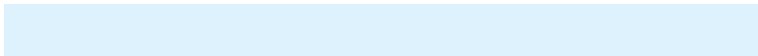
86.3083, 0.3047, 0.3126

Square

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



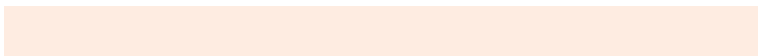
86.3083, 0.3108, 0.3425



86.3083, 0.2939, 0.3183



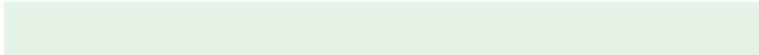
86.3083, 0.3144, 0.3161



86.3083, 0.3320, 0.3394

Rectangle

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



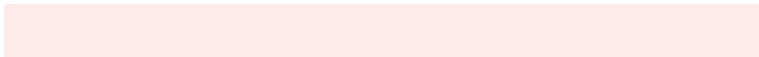
86.3083, 0.3108, 0.3425



86.3083, 0.2971, 0.3293



86.3083, 0.3144, 0.3161



86.3083, 0.3286, 0.3285

Sweetspot

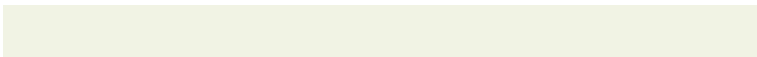
The Sweet Spot groups the original color and five complimentary colors.



86.3120, 0.3108, 0.3425



98.7636, 0.3121, 0.3333



88.4566, 0.3207, 0.3442



21.1524, 0.3121, 0.3330



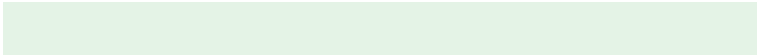
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

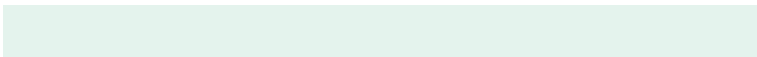
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3120, 0.3108, 0.3425



95.8121, 0.3105, 0.3444



86.7300, 0.3065, 0.3349



18.7149, 0.3104, 0.3457



35.2492, 0.2971, 0.5897



3.1090, 0.2922, 0.5720

Inverse Universe

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



80.8880, 0.3147, 0.3159



88.9847, 0.3150, 0.3141



80.4610, 0.3194, 0.3232



17.2730, 0.3152, 0.3128



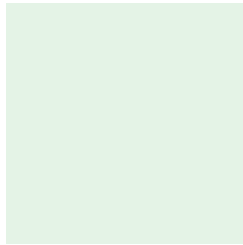
13.0531, 0.3573, 0.1742



1.1575, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 86.3083, 0.3108, 0.3425 looks on a white background.

Color Contrast Check

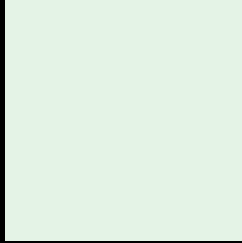
Large Text (above 18pt) WCAG AA × Fail

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 86.3083, 0.3108, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

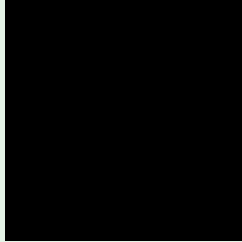
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

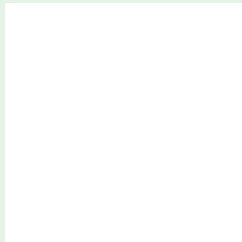
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3083, 0.3108, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 86.3083, 0.3108, 0.3425.

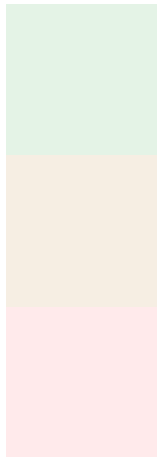


This preview shows how white text looks on a background with the Yxy color 86.3083, 0.3108, 0.3425.

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

86.3083, 0.3108, 0.3425

Protanopia

86.2880, 0.3250, 0.3401

Deuteranopia

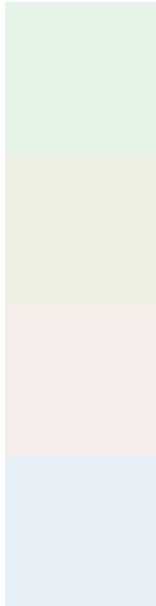
86.1038, 0.3264, 0.3281



Tritanopia

86.2766, 0.2993, 0.3129

Trichromacy



Original Color

86.3083, 0.3108, 0.3425

Protanomaly

86.2723, 0.3194, 0.3412

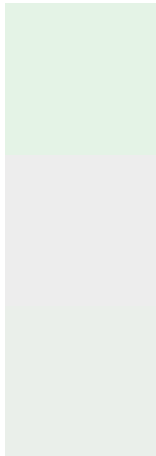
Deuteranomaly

85.8640, 0.3206, 0.3330

Tritanomaly

85.9629, 0.3033, 0.3229

Monochromacy



Original Color

86.3083, 0.3108, 0.3425

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.1659, 0.3125, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3083, 0.3108, 0.3425 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, 243, 230)` looks like.

```
.text, #text, p{  
    color:rgb(228, 243, 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(228, 243, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 243, 230) }
```

Border

The CSS property to change the border of an element to Yxy 86.3083, 0.3108, 0.3425 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, 243, 230) }
```

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

```
.border{ border-color:rgb(228, 243, 230) }
```

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

Here you see how a box with a 4 pixel rgb(228, 243, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 243, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 243, 230);  
box-shadow:4px 4px 4px 4px rgb(228, 243,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3083, 0.3108, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 243, 230) }
```

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

```
.background{ background-color: rgb(228,  
243, 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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