

Converting Colors

$Yxy(86.6119, 0.3127, 0.3407)$

Have a look what the booklet for
Yxy(86.6119, 0.3127, 0.3407)
contains.

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Color

Yxy(86.4296, 0.3128, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	E8F2E7
RGB	232, 242, 231
RGB Percent	91%, 95%, 91%
CMY	0.0904, 0.0509, 0.0941
CMYK	0.04, 0.00, 0.05, 0.05
HSL	115°, 30%, 93%
HSV	115°, 5%, 95%
XYZ	79.4451, 86.4296, 88.1059
YIQ	237.7560, -2.4290, -5.5410

Conversions

Conversions Part 2

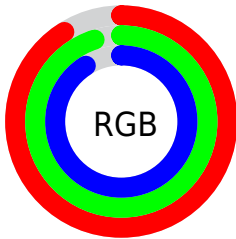
Format	Color
R _{YB}	231, 242, 241
Decimal	15266535
CIE Lab	94.50, -5.28, 4.14
CIE LCh	94, 6.711, 141.925
Yxy	86.4296, 0.3128, 0.3403
Android (android.graphics.Color)	4293456615 (0xFFE8F2E7)
YUV	237.7560, -3.3307, -5.0480
Hunter-Lab	92.9675, -10.1565, 8.8878

Details

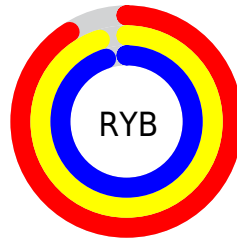
The Yxy color **86.4296, 0.3128, 0.3403** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.2856, 0.3126, 0.3179**, and the grayscale version is **85.3272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4431, 0.3129, 0.3436** is the 20% darker color. If you saturate the color by 10%, you get **81.6865, 0.3129, 0.3676**, and if you desaturate by 10%, it is **91.8216, 0.3127, 0.3165**.

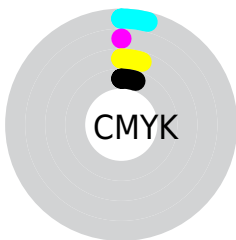
Distribution



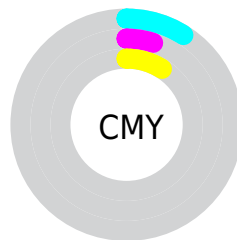
- Red (91%)
- Green (95%)
- Blue (91%)



- Red (91%)
- Yellow (95%)
- Blue (95%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (9%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4296, 0.3128, 0.3403 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 86.4296, 0.3128, 0.3403 by changing the saturation by 10% instead.


 86.4296, 0.3128,
0.3403

 86.4296, 0.3128,
0.3403


516.3467, 0.3128,
0.3352

 65.0233, 0.3128,
0.3414

142.3688, 0.3128,
0.3385

 47.4800, 0.3128,
0.3428


177.6705, 0.3128,
0.3379

 33.4152, 0.3128,
0.3446


218.3728, 0.3128,
0.3373

 22.4447, 0.3128,
0.3468

264.8601, 0.3128,
0.3368

 14.1840, 0.3127,
0.3499

317.5167, 0.3128,
0.3363

 8.2488, 0.3127,
0.3541

376.7271, 0.3128,

 4.2546, 0.3125,

0.3359

0.3606

442.8756, 0.3128,
0.3355

■ 1.8170, 0.3122,
0.3715

■ 0.4977, 0.3144,
0.4548

■ 86.4296, 0.3128,
0.3403

■ 86.4296, 0.3128,
0.3403

■ 81.6865, 0.3129,
0.3676


■ 91.8216, 0.3127,
0.3165


■ 77.5701, 0.3127,
0.3981

■ 91.9945, 0.3133,
0.3166


■ 74.0575, 0.3122,
0.4314


■ 71.1203, 0.3114,
0.4665

 68.7276, 0.3102,
0.5016

 66.8459, 0.3086,
0.5345

 65.4377, 0.3066,
0.5623

 64.4605, 0.3045,
0.5829

 63.8639, 0.3024,
0.5951

Harmonies

Analogous

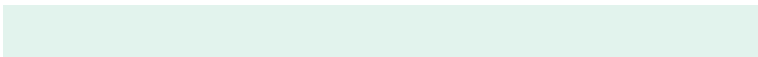
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4296, 0.3203, 0.3423



86.4296, 0.3128, 0.3403



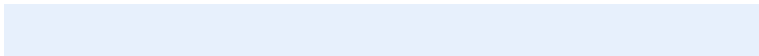
86.4296, 0.3054, 0.3351

Triad

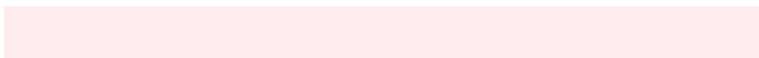
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4296, 0.3128, 0.3403



86.4296, 0.2998, 0.3173



86.4296, 0.3256, 0.3295

Complementary

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



86.4296, 0.3128, 0.3403



82.2856, 0.3126, 0.3179

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.



86.4296, 0.3200, 0.3230



86.4296, 0.3128, 0.3403



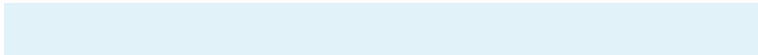
86.4296, 0.3051, 0.3160

Square

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



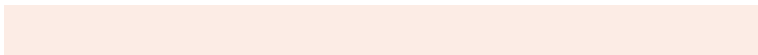
86.4296, 0.3128, 0.3403



86.4296, 0.2979, 0.3218



86.4296, 0.3125, 0.3181



86.4296, 0.3278, 0.3360

Rectangle

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



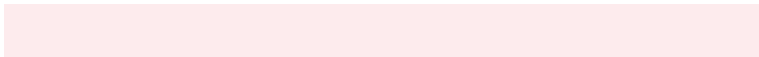
86.4296, 0.3128, 0.3403



86.4296, 0.3014, 0.3306



86.4296, 0.3125, 0.3181



86.4296, 0.3241, 0.3273

Sweetspot

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



86.4333, 0.3128, 0.3403



99.3973, 0.3127, 0.3314



87.5120, 0.3195, 0.3390



21.2815, 0.3127, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

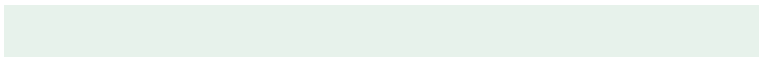
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4333, 0.3128, 0.3403



97.0614, 0.3128, 0.3415



86.5280, 0.3095, 0.3358



18.1104, 0.3128, 0.3432



34.2227, 0.3019, 0.5985



2.8690, 0.3066, 0.5947

Inverse Universe

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



82.2856, 0.3126, 0.3179



91.9267, 0.3126, 0.3168



82.1905, 0.3160, 0.3223



17.0253, 0.3126, 0.3151



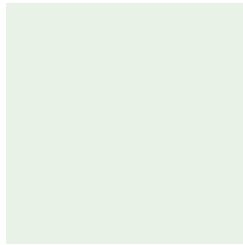
11.7558, 0.2995, 0.1424



0.9981, 0.3025, 0.1440

Previews

White Background



This preview shows how the Yxy color 86.4296, 0.3128, 0.3403 looks on a white background.

Color Contrast Check

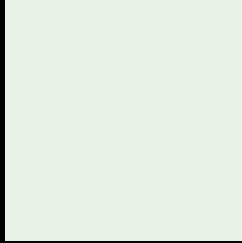
Large Text (above 18pt) WCAG AA × Fail

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 86.4296, 0.3128, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

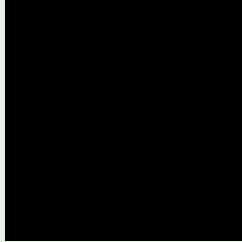
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

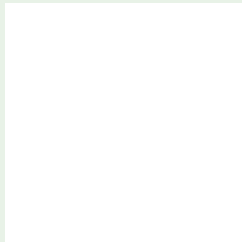
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4296, 0.3128, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 86.4296, 0.3128, 0.3403.

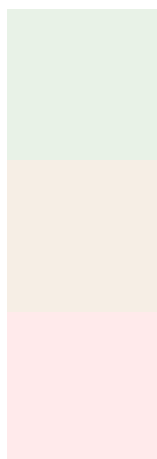


This preview shows how white text looks on a background with the Yxy color 86.4296, 0.3128, 0.3403.

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

86.4296, 0.3128, 0.3403

Protanopia

86.3990, 0.3237, 0.3381

Deuteranopia

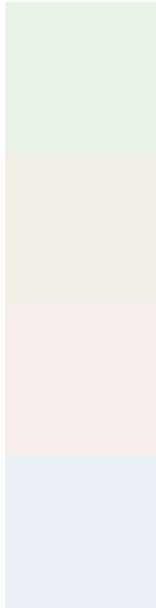
86.1038, 0.3264, 0.3281



Tritanopia

86.2019, 0.3012, 0.3120

Trichromacy



Original Color

86.4296, 0.3128, 0.3403

Protanomaly

86.1469, 0.3196, 0.3381

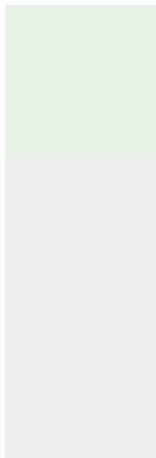
Deuteranomaly

86.2830, 0.3213, 0.3320

Tritanomaly

86.0490, 0.3059, 0.3219

Monochromacy



Original Color

86.4296, 0.3128, 0.3403

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.5640, 0.3132, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4296, 0.3128, 0.3403 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(232, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(232, 242, 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(232, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 242, 231) }
```

Border

The CSS property to change the border of an element to Yxy 86.4296, 0.3128, 0.3403 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(232, 242, 231) }
```

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

```
.border{ border-color:rgb(232, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(232, 242,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4296, 0.3128, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 242, 231) }
```

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

```
.background{ background-color: rgb(232,  
242, 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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