

Converting Colors

$Yxy(85.7897, 0.3086, 0.3341)$

Have a look what the booklet for
Yxy(85.7897, 0.3086, 0.3341)
contains.

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Color

Yxy(85.7897, 0.3086, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	E6F1EC
RGB	230, 241, 236
RGB Percent	90%, 95%, 93%
CMY	0.0978, 0.0549, 0.0745
CMYK	0.05, 0.00, 0.02, 0.05
HSL	153°, 28%, 92%
HSV	153°, 5%, 95%
XYZ	79.2418, 85.7897, 91.7470
YIQ	237.1410, -4.9510, -3.8870

Conversions

Conversions Part 2

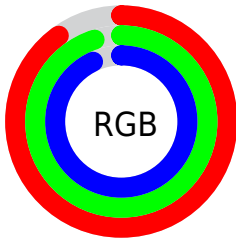
Format	Color
R _Y B	230, 237, 241
Decimal	15135212
CIE Lab	94.22, -4.51, 1.13
CIE LCh	94, 4.648, 165.867
Yxy	85.7897, 0.3086, 0.3341
Android (android.graphics.Color)	4293325292 (0xFFE6F1EC)
YUV	237.1410, -0.5625, -6.2627
Hunter-Lab	92.6227, -9.3770, 6.1065

Details

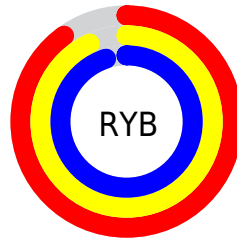
The Yxy color **85.7897, 0.3086, 0.3341** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **81.3216, 0.3170, 0.3240**, and the grayscale version is **84.8179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1072, 0.3082, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **81.4586, 0.2997, 0.3463**, and if you desaturate by 10%, it is **90.7185, 0.3177, 0.3232**.

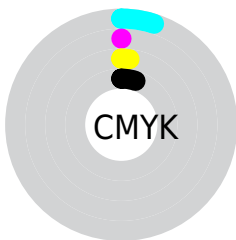
Distribution



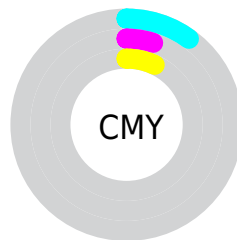
- Red (90%)
- Green (95%)
- Blue (93%)



- Red (90%)
- Yellow (93%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (10%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7897, 0.3086, 0.3341 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 85.7897, 0.3086, 0.3341 by changing the saturation by 10% instead.


 85.7897, 0.3086,
0.3341

 85.7897, 0.3086,
0.3341

514.2375, 0.3105,
0.3318

 64.4941, 0.3082,
0.3346

141.4760, 0.3092,
0.3333

 47.0510, 0.3077,
0.3352


176.6354, 0.3095,
0.3330

 33.0760, 0.3070,
0.3360


217.1850, 0.3097,
0.3327

 22.1846, 0.3062,
0.3370

263.5090, 0.3099,
0.3325

 13.9926, 0.3051,
0.3384

315.9918, 0.3101,
0.3323

 8.1155, 0.3036,
0.3403

375.0179, 0.3102,

 4.1690, 0.3013,

0.3321

0.3431

440.9717, 0.3103,
0.3320

■ 1.7685, 0.2975,
0.3479

■ 0.4674, 0.2715,
0.3796

■ 85.7897, 0.3086,
0.3341

■ 85.7897, 0.3086,
0.3341

■ 81.4586, 0.2997,
0.3463

■ 90.7185, 0.3177,
0.3232

■ 77.6910, 0.2911,
0.3599

■ 91.3850, 0.3133,
0.3156

■ 74.4660, 0.2833,
0.3747

■ 71.7568, 0.2764,
0.3908

■ 69.5346, 0.2709,
0.4078

■ 67.7675, 0.2670,
0.4255

■ 66.4196, 0.2650,
0.4436

■ 65.4494, 0.2651,
0.4615

■ 64.8062, 0.2672,
0.4788

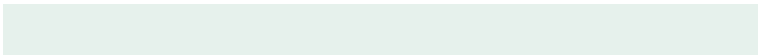
Harmonies

Analogous

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



85.7897, 0.3139, 0.3373



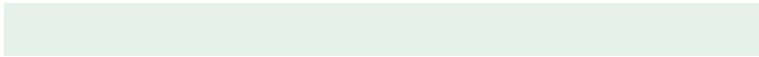
85.7897, 0.3086, 0.3341



85.7897, 0.3044, 0.3295

Triad

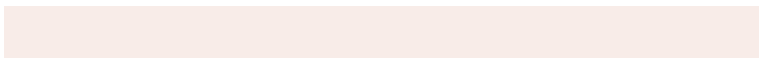
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7897, 0.3086, 0.3341



85.7897, 0.3065, 0.3199



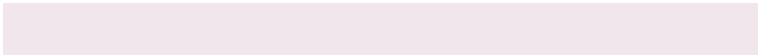
85.7897, 0.3231, 0.3331

Complementary

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



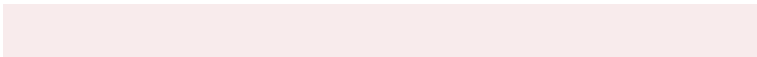
85.7897, 0.3086, 0.3341



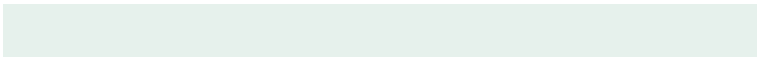
81.3216, 0.3170, 0.3240

Split Complementary

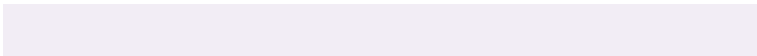
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7897, 0.3211, 0.3284



85.7897, 0.3086, 0.3341



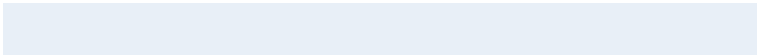
85.7897, 0.3115, 0.3209

Square

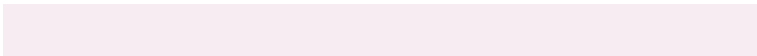
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



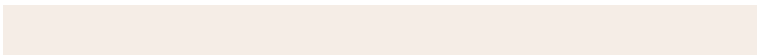
85.7897, 0.3086, 0.3341



85.7897, 0.3033, 0.3214



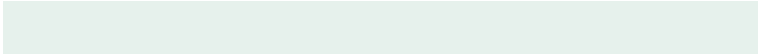
85.7897, 0.3168, 0.3240



85.7897, 0.3223, 0.3366

Rectangle

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



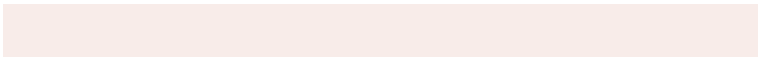
85.7897, 0.3086, 0.3341



85.7897, 0.3029, 0.3263



85.7897, 0.3168, 0.3240



85.7897, 0.3227, 0.3316

Sweetspot

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



85.7934, 0.3086, 0.3341



99.4450, 0.3118, 0.3301



86.3099, 0.3155, 0.3402



21.2912, 0.3118, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

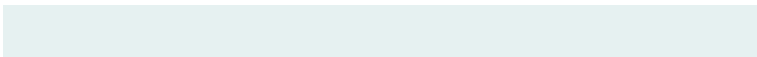
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7934, 0.3086, 0.3341



97.2933, 0.3082, 0.3347



85.8712, 0.3056, 0.3286



18.1594, 0.3076, 0.3354



35.0357, 0.2681, 0.4852



2.9347, 0.2619, 0.4628

Inverse Universe

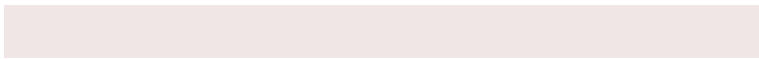
The Inverse Universe completely reimagines the original color for something new.



81.3216, 0.3170, 0.3240



91.6938, 0.3175, 0.3234



81.2409, 0.3202, 0.3294



16.9760, 0.3182, 0.3227



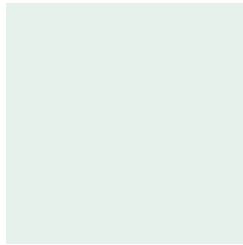
10.7744, 0.5148, 0.2610



0.9162, 0.4828, 0.2433

Previews

White Background



This preview shows how the Yxy color 85.7897, 0.3086, 0.3341 looks on a white background.

Color Contrast Check

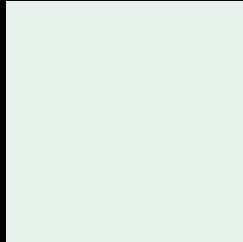
Large Text (above 18pt) WCAG AA × Fail

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 85.7897, 0.3086, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

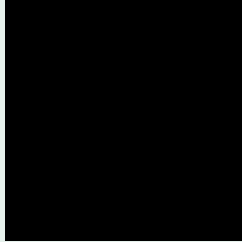
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

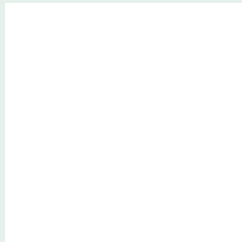
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7897, 0.3086, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 85.7897, 0.3086, 0.3341.

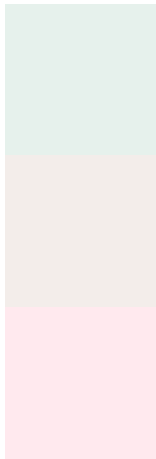


This preview shows how white text looks on a background with the Yxy color 85.7897, 0.3086, 0.3341.

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

85.7897, 0.3086, 0.3341

Protanopia

85.5636, 0.3186, 0.3320

Deuteranopia

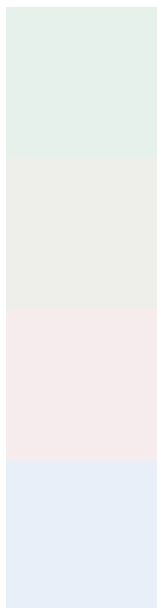
85.7109, 0.3245, 0.3241



Tritanopia

85.8615, 0.2999, 0.3119

Trichromacy



Original Color

85.7897, 0.3086, 0.3341

Protanomaly

85.3244, 0.3146, 0.3321

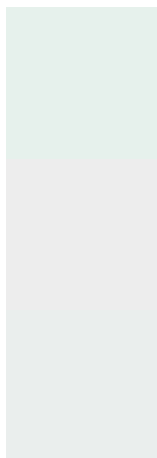
Deuteranomaly

85.6982, 0.3188, 0.3280

Tritanomaly

85.8340, 0.3034, 0.3199

Monochromacy



Original Color

85.7897, 0.3086, 0.3341

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7559, 0.3107, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7897, 0.3086, 0.3341 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(230, 241, 236)` looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 236)  
}
```

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(230, 241, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.7897, 0.3086, 0.3341 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(230, 241, 236) }
```

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

```
.border{ border-color:rgb(230, 241, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 241, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 236);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7897, 0.3086, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 236) }
```

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

```
.background{ background-color: rgb(230,  
241, 236) }
```

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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