

Converting Colors

$Yxy(86.2847, 0.3052, 0.3336)$

Have a look what the booklet for
Yxy(86.2847, 0.3052, 0.3336)
contains.

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Color

Yxy(86.6051, 0.3054, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	E3F3EE
RGB	227, 243, 238
RGB Percent	89%, 95%, 93%
CMY	0.1098, 0.0471, 0.0666
CMYK	0.07, 0.00, 0.02, 0.05
HSL	161°, 40%, 92%
HSV	161°, 7%, 95%
XYZ	79.1655, 86.6051, 93.4485
YIQ	237.6460, -7.9310, -4.9470

Conversions

Conversions Part 2

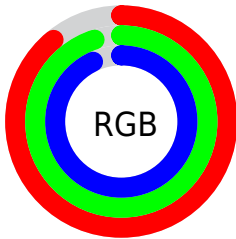
Format	Color
R_{YB}	227, 236, 243
Decimal	14939118
CIE _{Lab}	94.57, -6.16, 0.57
CIE _{LCh}	95, 6.185, 174.672
Yxy	86.6051, 0.3054, 0.3341
Android (android.graphics.Color)	4293129198 (0xFFE3F3EE)
YUV	237.6460, 0.1745, -9.3365
Hunter-Lab	93.0619, -11.0126, 5.6070

Details

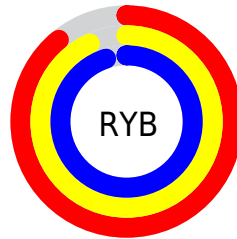
The Yxy color **86.6051, 0.3054, 0.3341** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8229, 0.3206, 0.3240**, and the grayscale version is **85.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.6887, 0.3042, 0.3356** is the 20% darker color. If you saturate the color by 10%, you get **82.4966, 0.2946, 0.3426**, and if you desaturate by 10%, it is **91.2973, 0.3166, 0.3265**.

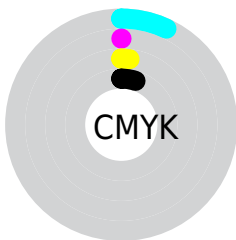
Distribution



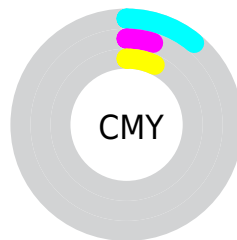
- Red (89%)
- Green (95%)
- Blue (93%)



- Red (89%)
- Yellow (93%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (11%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.6051, 0.3054, 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 86.6051, 0.3054, 0.3341 by changing the saturation by 10% instead.

 86.6051, 0.3054,
0.3341

 86.6051, 0.3054,
0.3341


516.9244, 0.3087,
0.3318

 65.1685, 0.3047,
0.3346


142.6136, 0.3065,
0.3333

 47.5977, 0.3038,
0.3352

177.9542, 0.3070,
0.3330

 33.5084, 0.3027,
0.3360


218.6983, 0.3073,
0.3327

 22.5162, 0.3012,
0.3370

265.2302, 0.3077,
0.3325

 14.2367, 0.2993,
0.3383

317.9344, 0.3080,
0.3323

 8.2855, 0.2967,
0.3402

377.1952, 0.3082,

 4.2782, 0.2927,

0.3321

443.3971, 0.3085,
0.3320

0.3430

■ 1.8303, 0.2862,
0.3476

■ 0.5060, 0.2454,
0.3755

■ 86.6051, 0.3054,
0.3341

■ 86.6051, 0.3054,
0.3341

■ 82.4966, 0.2946,
0.3426

■ 91.2973, 0.3166,
0.3265


■ 78.9373, 0.2844,
0.3518


■ 92.4640, 0.3144,
0.3193

■ 75.9058, 0.2751,
0.3619


■ 92.5823, 0.3133,
0.3175

■ 73.3750, 0.2671,
0.3727

 71.3154, 0.2606,
0.3841

 69.6943, 0.2559,
0.3959

 68.4747, 0.2531,
0.4079

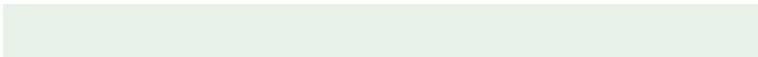
 67.6132, 0.2525,
0.4199

 67.0554, 0.2537,
0.4317

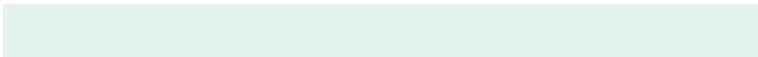
Harmonies

Analogous

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



86.6051, 0.3121, 0.3391



86.6051, 0.3054, 0.3341



86.6051, 0.3006, 0.3278

Triad

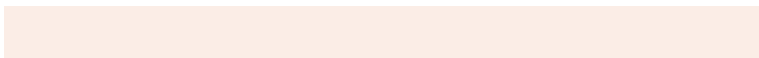
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6051, 0.3054, 0.3341



86.6051, 0.3063, 0.3171



86.6051, 0.3266, 0.3359

Complementary

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



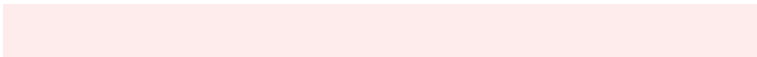
86.6051, 0.3054, 0.3341



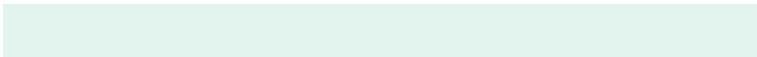
79.8229, 0.3206, 0.3240

Split Complementary

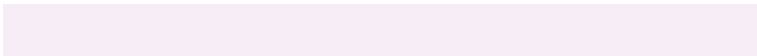
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6051, 0.3250, 0.3301



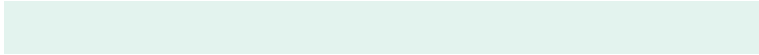
86.6051, 0.3054, 0.3341



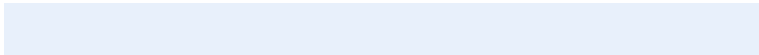
86.6051, 0.3132, 0.3193

Square

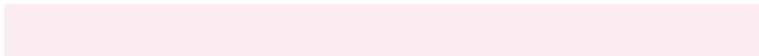
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6051, 0.3054, 0.3341



86.6051, 0.3011, 0.3180



86.6051, 0.3200, 0.3240



86.6051, 0.3244, 0.3401

Rectangle

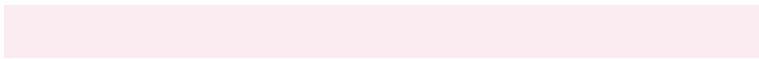
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



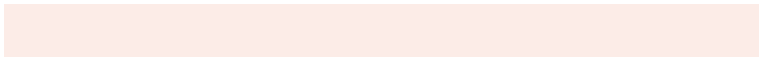
86.6051, 0.3054, 0.3341



86.6051, 0.2992, 0.3237



86.6051, 0.3200, 0.3240



86.6051, 0.3264, 0.3341

Sweetspot

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



86.6088, 0.3054, 0.3341



98.9437, 0.3105, 0.3305



86.8167, 0.3152, 0.3455



21.1891, 0.3106, 0.3304



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.



86.6088, 0.3054, 0.3341



95.9318, 0.3038, 0.3353



85.1645, 0.3025, 0.3260



18.6648, 0.3022, 0.3365



36.7446, 0.2539, 0.4339



3.2479, 0.2497, 0.4190

Inverse Universe

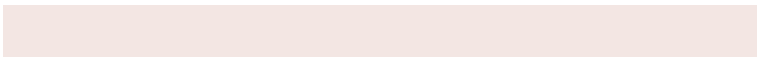
The Inverse Universe completely reimagines the original color for something new.



79.8229, 0.3206, 0.3240



86.7959, 0.3225, 0.3228



81.1617, 0.3236, 0.3320



16.5675, 0.3245, 0.3217



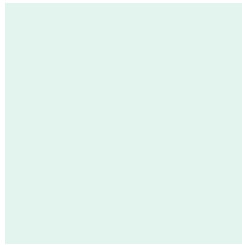
10.7630, 0.5723, 0.2927



0.9637, 0.5370, 0.2732

Previews

White Background



This preview shows how the Yxy color 86.6051, 0.3054, 0.3341 looks on a white background.

Color Contrast Check

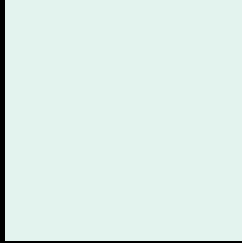
Large Text (above 18pt) WCAG AA × Fail

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 86.6051, 0.3054, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

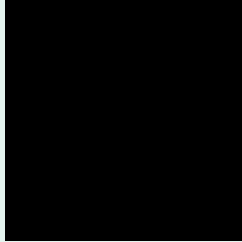
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

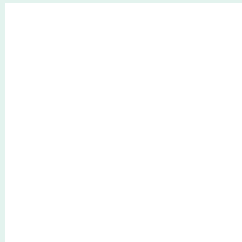
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.6051, 0.3054, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 86.6051, 0.3054, 0.3341.

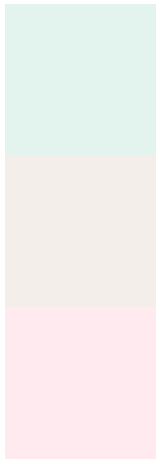


This preview shows how white text looks on a background with the Yxy color 86.6051, 0.3054, 0.3341.

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

86.6051, 0.3054, 0.3341

Protanopia

86.3803, 0.3186, 0.3320

Deuteranopia

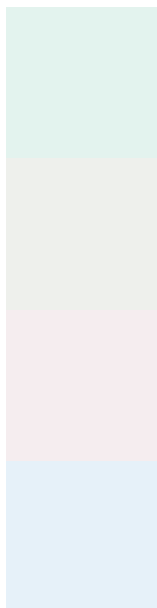
86.3969, 0.3231, 0.3232



Tritanopia

86.6960, 0.2987, 0.3139

Trichromacy



Original Color

86.6051, 0.3054, 0.3341

Protanomaly

86.5534, 0.3138, 0.3331

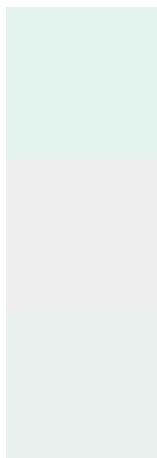
Deuteranomaly

86.2128, 0.3168, 0.3270

Tritanomaly

86.5731, 0.3009, 0.3209

Monochromacy



Original Color

86.6051, 0.3054, 0.3341

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.9856, 0.3100, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.6051, 0.3054, 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(227, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(227, 243, 238)  
}
```

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(227, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 243, 238) }
```

Border

The CSS property to change the border of an element to Yxy 86.6051, 0.3054, 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(227, 243, 238) }
```

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

```
.border{ border-color:rgb(227, 243, 238) }
```

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

Here you see how a box with a 4 pixel rgb(227, 243, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(227, 243,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 86.6051, 0.3054, 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(227, 243, 238) }
```

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

```
.background{ background-color: rgb(227,  
243, 238) }
```

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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