

Converting Colors

$Yxy(86.6716, 0.3131, 0.3360)$

Have a look what the booklet for
Yxy(86.6716, 0.3131, 0.3360)
contains.

Yxy(86.5133, 0.3130, 0.3361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.5133, 0.3130, 0.3361)

Conversions

Conversions Part 1

Format	Color
Hex	EBF1EA
RGB	235, 241, 234
RGB Percent	92%, 95%, 92%
CMY	0.0785, 0.0549, 0.0822
CMYK	0.02, 0.00, 0.03, 0.05
HSL	112°, 20%, 93%
HSV	112°, 3%, 95%
XYZ	80.5673, 86.5133, 90.3229
YIQ	238.4080, -1.3290, -3.4490

Conversions

Conversions Part 2

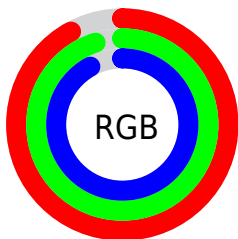
Format	Color
R_{YB}	234, 241, 240
Decimal	15462890
CIE _{Lab}	94.53, -3.23, 2.65
CIE _{LCh}	95, 4.178, 140.631
Yxy	86.5133, 0.3130, 0.3361
Android (android.graphics.Color)	4293652970 (0xFFEBF1EA)
YUV	238.4080, -2.1731, -2.9888
Hunter-Lab	93.0125, -8.1555, 7.5333

Details

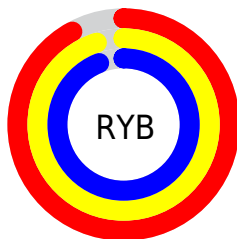
The Yxy color **86.5133, 0.3130, 0.3361** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.7561, 0.3124, 0.3220**, and the grayscale version is **85.8527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4960, 0.3131, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **81.8829, 0.3139, 0.3627**, and if you desaturate by 10%, it is **91.3950, 0.3133, 0.3156**.

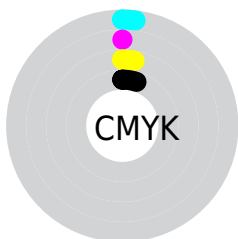
Distribution



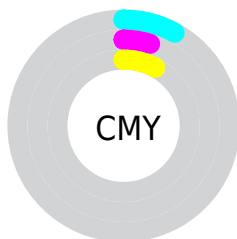
- Red (92%)
- Green (95%)
- Blue (92%)



- Red (92%)
- Yellow (95%)
- Blue (94%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (8%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.5133, 0.3130, 0.3361 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 86.5133, 0.3130, 0.3361 by changing the saturation by 10% instead.


 86.5133, 0.3130,
0.3361

 86.5133, 0.3130,
0.3361

516.6222, 0.3129,
0.3329

 65.0925, 0.3130,
0.3368


142.4856, 0.3130,
0.3350

 47.5361, 0.3131,
0.3377


177.8058, 0.3129,
0.3346

 33.4597, 0.3131,
0.3388


218.5281, 0.3129,
0.3342

 22.4788, 0.3131,
0.3402

265.0366, 0.3129,
0.3339

 14.2091, 0.3132,
0.3420

317.7159, 0.3129,
0.3336

 8.2663, 0.3132,
0.3447

376.9504, 0.3129,

 4.2658, 0.3133,

0.3333

0.3486

443.1243, 0.3129,
0.3331

■ 1.8233, 0.3134,
0.3553

■ 0.5017, 0.3157,
0.3980

■ 86.5133, 0.3130,
0.3361

■ 86.5133, 0.3130,
0.3361

■ 81.8829, 0.3139,
0.3627

■ 91.3950, 0.3133,
0.3156

■ 77.8308, 0.3145,
0.3925

■ 74.3377, 0.3148,
0.4250

■ 71.3789, 0.3147,
0.4594

■ 68.9277, 0.3139,
0.4941

■ 66.9553, 0.3125,
0.5271

■ 65.4298, 0.3105,
0.5557

■ 64.3154, 0.3078,
0.5778

■ 63.5705, 0.3049,
0.5919

Harmonies

Analogous

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



86.5133, 0.3176, 0.3373



86.5133, 0.3130, 0.3361



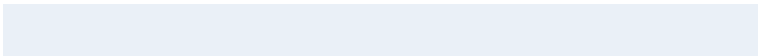
86.5133, 0.3083, 0.3330

Triad

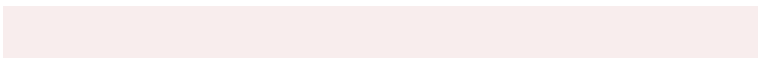
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5133, 0.3130, 0.3361



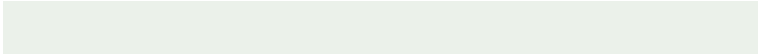
86.5133, 0.3046, 0.3218



86.5133, 0.3206, 0.3292

Complementary

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



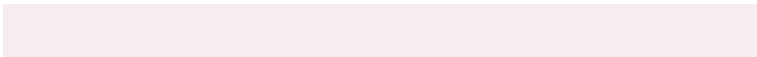
86.5133, 0.3130, 0.3361



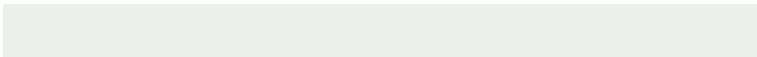
83.7561, 0.3124, 0.3220

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.



86.5133, 0.3171, 0.3251



86.5133, 0.3130, 0.3361



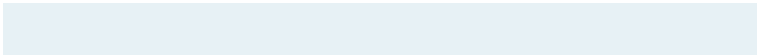
86.5133, 0.3078, 0.3209

Square

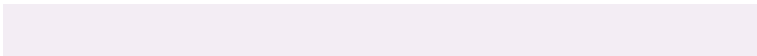
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



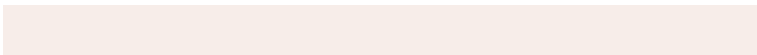
86.5133, 0.3130, 0.3361



86.5133, 0.3035, 0.3247



86.5133, 0.3124, 0.3221



86.5133, 0.3221, 0.3332

Rectangle

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



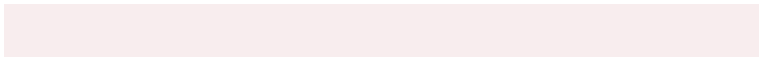
86.5133, 0.3130, 0.3361



86.5133, 0.3058, 0.3302



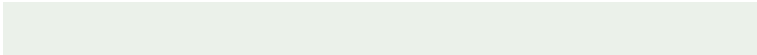
86.5133, 0.3124, 0.3221



86.5133, 0.3197, 0.3278

Sweetspot

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



86.5170, 0.3130, 0.3361



99.4211, 0.3128, 0.3314



86.9428, 0.3170, 0.3350



21.2863, 0.3128, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

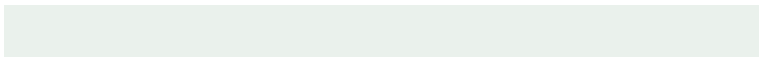
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.5170, 0.3130, 0.3361



98.2840, 0.3130, 0.3364



86.4981, 0.3109, 0.3336



18.3288, 0.3131, 0.3384



34.3198, 0.3037, 0.5971



2.8870, 0.3104, 0.5918

Inverse Universe

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



83.7561, 0.3124, 0.3220



95.0200, 0.3124, 0.3217



83.7768, 0.3146, 0.3244



17.5629, 0.3123, 0.3198



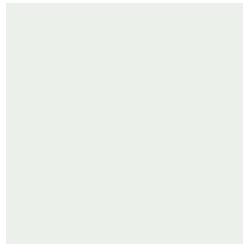
10.7896, 0.2870, 0.1355



0.9273, 0.2917, 0.1381

Previews

White Background



This preview shows how the Yxy color 86.5133, 0.3130, 0.3361 looks on a white background.

Color Contrast Check

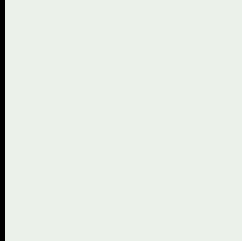
Large Text (above 18pt) WCAG AA × Fail

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 86.5133, 0.3130, 0.3361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

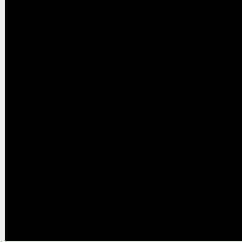
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

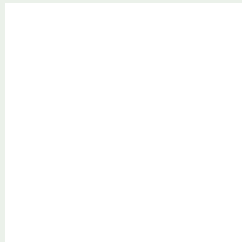
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.5133, 0.3130, 0.3361

Background



This preview shows how black text looks on a background with the Yxy color 86.5133, 0.3130, 0.3361.

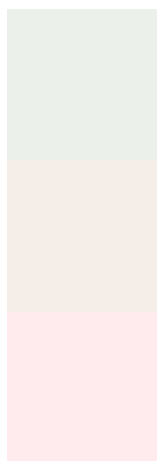


This preview shows how white text looks on a background with the Yxy color 86.5133, 0.3130, 0.3361.

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

86.5133, 0.3130, 0.3361

Protanopia

86.3877, 0.3211, 0.3350

Deuteranopia

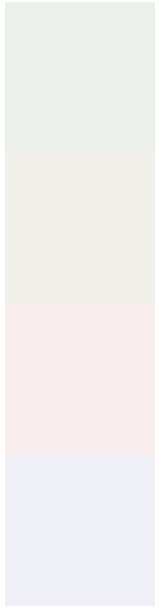
86.2201, 0.3251, 0.3261



Tritanopia

86.7198, 0.3031, 0.3121

Trichromacy



Original Color

86.5133, 0.3130, 0.3361

Protanomaly

86.3170, 0.3177, 0.3351

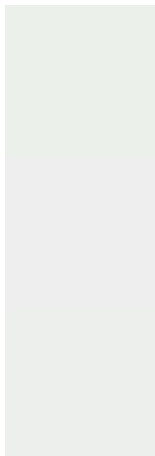
Deuteranomaly

86.5810, 0.3207, 0.3300

Tritanomaly

86.6255, 0.3072, 0.3210

Monochromacy



Original Color

86.5133, 0.3130, 0.3361

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8520, 0.3126, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5133, 0.3130, 0.3361 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(235, 241, 234)` looks like.

```
.text, #text, p{  
    color:rgb(235, 241, 234)  
}
```

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(235, 241, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 241, 234) }
```

Border

The CSS property to change the border of an element to Yxy 86.5133, 0.3130, 0.3361 is called "border". The border property can be set on classes, ids or directly on the HTML element.

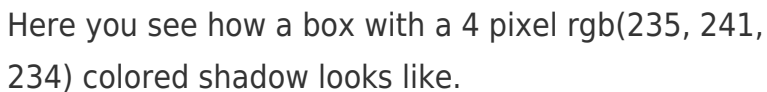
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 241, 234) }
```

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

```
.border{ border-color:rgb(235, 241, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 241, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 241, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 241, 234); box-shadow:4px 4px 4px 4px rgb(235, 241, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5133, 0.3130, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 241, 234) }
```

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

```
.background{ background-color: rgb(235,  
241, 234) }
```

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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