

Converting Colors

$Yxy(85.0985, 0.3143, 0.3335)$

Have a look what the booklet for
Yxy(85.0985, 0.3143, 0.3335)
contains.

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Color

Yxy(84.9225, 0.3138, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	ECEEEA
RGB	236, 238, 234
RGB Percent	93%, 93%, 92%
CMY	0.0748, 0.0666, 0.0823
CMYK	0.01, 0.00, 0.02, 0.07
HSL	91°, 11%, 93%
HSV	91°, 2%, 93%
XYZ	80.0020, 84.9225, 90.0214
YIQ	236.9460, 0.0920, -1.6680

Conversions

Conversions Part 2

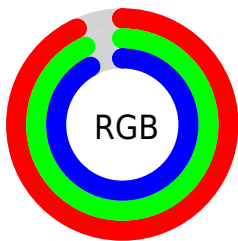
Format	Color
RYB	234, 238, 236
Decimal	15527658
CIELab	93.85, -1.40, 1.68
CIElCh	94, 2.191, 129.752
Yxy	84.9225, 0.3138, 0.3331
Android (android.graphics.Color)	4293717738 (0xFFECEEEA)
YUV	236.9460, -1.4524, -0.8296
Hunter-Lab	92.1534, -6.3055, 6.5891

Details

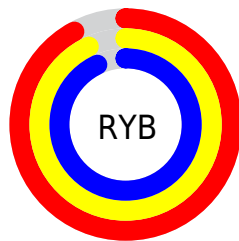
The Yxy color **84.9225, 0.3138, 0.3331** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.8741, 0.3116, 0.3249**, and the grayscale version is **84.6516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3735, 0.3142, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **81.6022, 0.3202, 0.3588**, and if you desaturate by 10%, it is **88.3987, 0.3091, 0.3125**.

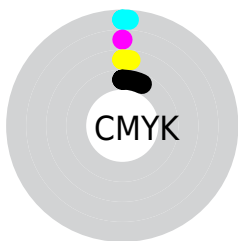
Distribution



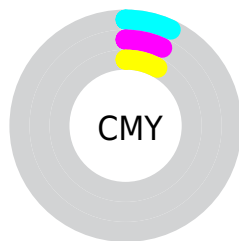
- Red (93%)
- Green (93%)
- Blue (92%)



- Red (92%)
- Yellow (93%)
- Blue (93%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (7%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9225, 0.3138, 0.3331 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 84.9225, 0.3138, 0.3331 by changing the saturation by 10% instead.

84.9225, 0.3138,
0.3331

84.9225, 0.3138,
0.3331

511.3716, 0.3133,
0.3313

63.7773, 0.3139,
0.3335

140.2649, 0.3136,
0.3325

46.4704, 0.3140,
0.3340

175.2309, 0.3136,
0.3322

32.6172, 0.3142,
0.3346

215.5727, 0.3135,
0.3320

21.8333, 0.3144,
0.3355

261.6746, 0.3135,
0.3318

13.7345, 0.3147,
0.3365

313.9211, 0.3134,
0.3317

7.9362, 0.3151,
0.3381

372.6964, 0.3134,

4.0542, 0.3156,

0.3315

0.3404

438.3852, 0.3133,
0.3314

■ 1.7039, 0.3166,
0.3442

■ 0.4262, 0.3244,
0.3727

■ 84.9225, 0.3138,
0.3331

■ 84.9225, 0.3138,
0.3331

■ 81.6022, 0.3202,
0.3588

■ 88.3987, 0.3091,
0.3125

■ 78.5987, 0.3265,
0.3865

■ 89.6436, 0.3135,
0.3127

■ 75.9051, 0.3324,
0.4160

■ 73.5098, 0.3374,
0.4464

■ 71.4004, 0.3413,
0.4765

■ 69.5636, 0.3434,
0.5050

■ 67.9849, 0.3435,
0.5303

■ 66.6477, 0.3415,
0.5508

■ 65.5327, 0.3374,
0.5656

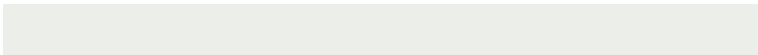
Harmonies

Analogous

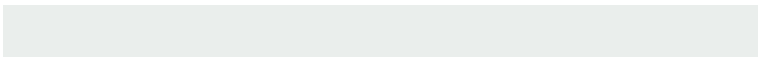
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9225, 0.3161, 0.3333



84.9225, 0.3138, 0.3331



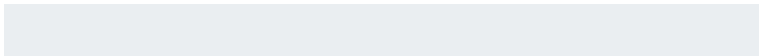
84.9225, 0.3113, 0.3318

Triad

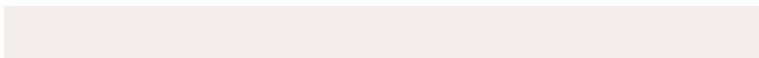
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9225, 0.3138, 0.3331



84.9225, 0.3081, 0.3257



84.9225, 0.3163, 0.3283

Complementary

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



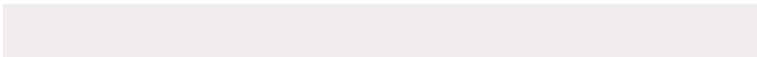
84.9225, 0.3138, 0.3331



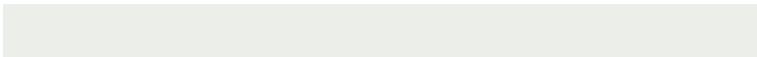
82.8741, 0.3116, 0.3249

Split Complementary

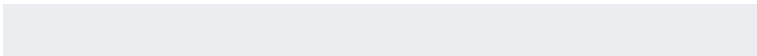
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9225, 0.3142, 0.3263



84.9225, 0.3138, 0.3331



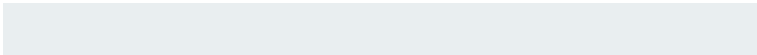
84.9225, 0.3094, 0.3248

Square

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



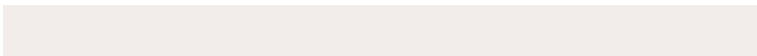
84.9225, 0.3138, 0.3331



84.9225, 0.3080, 0.3275



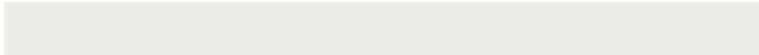
84.9225, 0.3116, 0.3250



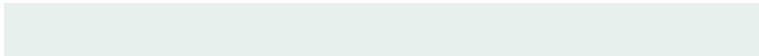
84.9225, 0.3175, 0.3305

Rectangle

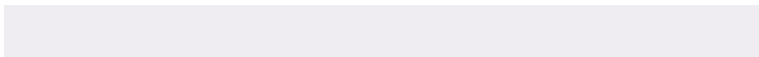
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



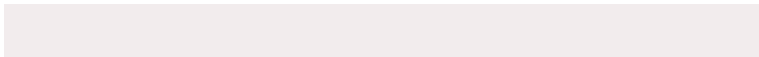
84.9225, 0.3138, 0.3331



84.9225, 0.3098, 0.3305



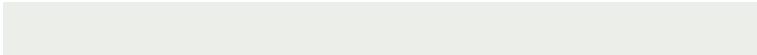
84.9225, 0.3116, 0.3250



84.9225, 0.3157, 0.3276

Sweetspot

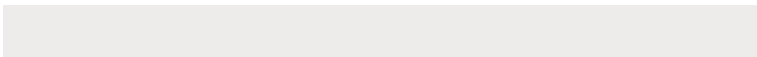
The Sweet Spot groups the original color and five complimentary colors.



84.9262, 0.3138, 0.3331



99.5860, 0.3134, 0.3314



84.1612, 0.3153, 0.3311



21.3199, 0.3133, 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.



84.9262, 0.3138, 0.3331



99.1760, 0.3140, 0.3339



84.6021, 0.3125, 0.3330



18.5858, 0.3139, 0.3336



36.1927, 0.3339, 0.5731



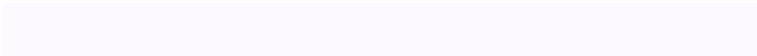
3.0698, 0.3440, 0.5651

Inverse Universe

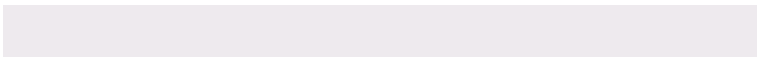
The Inverse Universe completely reimagines the original color for something new.



82.8741, 0.3116, 0.3249



96.3281, 0.3114, 0.3241



83.2019, 0.3129, 0.3250



18.0816, 0.3115, 0.3244



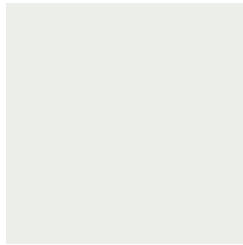
5.9058, 0.2064, 0.0911



0.5505, 0.2204, 0.0988

Previews

White Background



This preview shows how the Yxy color 84.9225, 0.3138, 0.3331 looks on a white background.

Color Contrast Check

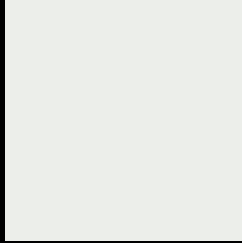
Large Text (above 18pt) WCAG AA × Fail

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 84.9225, 0.3138, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

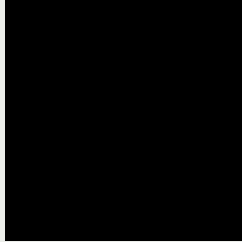
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

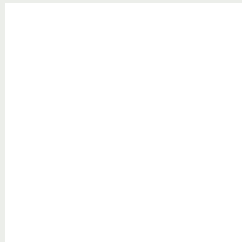
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9225, 0.3138, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 84.9225, 0.3138, 0.3331.

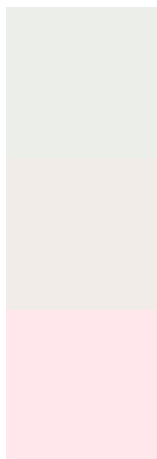


This preview shows how white text looks on a background with the Yxy color 84.9225, 0.3138, 0.3331.

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

84.9225, 0.3138, 0.3331

Protanopia

84.7513, 0.3186, 0.3321

Deuteranopia

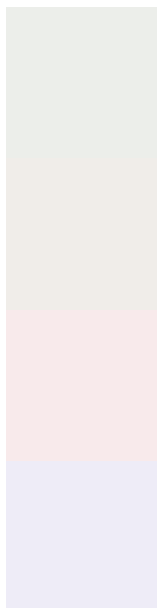
84.4680, 0.3260, 0.3241



Tritanopia

84.9231, 0.3038, 0.3101

Trichromacy



Original Color

84.9225, 0.3138, 0.3331

Protanomaly

84.9768, 0.3172, 0.3331

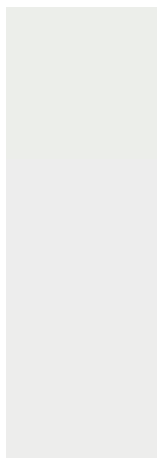
Deuteranomaly

84.8003, 0.3216, 0.3280

Tritanomaly

84.8834, 0.3073, 0.3179

Monochromacy



Original Color

84.9225, 0.3138, 0.3331

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.6290, 0.3133, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9225, 0.3138, 0.3331 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(236, 238, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 238, 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(236, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 238, 234) }
```

Border

The CSS property to change the border of an element to Yxy 84.9225, 0.3138, 0.3331 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(236, 238, 234) }
```

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

```
.border{ border-color:rgb(236, 238, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 238, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 238, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 238, 234); box-shadow:4px 4px 4px 4px rgb(236, 238, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9225, 0.3138, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 238, 234) }
```

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

```
.background{ background-color: rgb(236,  
238, 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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