

Converting Colors

$Yxy(83.1697, 0.3099, 0.3258)$

Have a look what the booklet for
Yxy(83.1697, 0.3099, 0.3258)
contains.

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Color

Yxy(83.0821, 0.3102, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	EAEBEE
RGB	234, 235, 238
RGB Percent	92%, 92%, 93%
CMY	0.0823, 0.0784, 0.0666
CMYK	0.02, 0.01, 0.00, 0.07
HSL	225°, 11%, 93%
HSV	225°, 2%, 93%
XYZ	79.0797, 83.0821, 92.7695
YIQ	235.0430, -1.5590, 0.7210

Conversions

Conversions Part 2

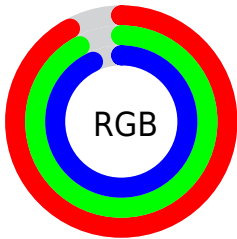
Format	Color
RYB	234, 235, 238
Decimal	15395822
CIELab	93.05, 0.22, -1.59
CIELCh	93, 1.601, 278.022
Yxy	83.0821, 0.3102, 0.3259
Android (android.graphics.Color)	4293585902 (0xFFEAEBEE)
YUV	235.0430, 1.4578, -0.9147
Hunter-Lab	91.1494, -4.6478, 3.4607

Details

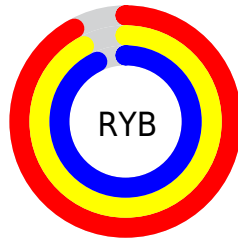
The Yxy color **83.0821, 0.3102, 0.3259** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.7151, 0.3152, 0.3321**, and the grayscale version is **83.1069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0826, 0.3095, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **69.5354, 0.2944, 0.3060**, and if you desaturate by 10%, it is **97.6797, 0.3228, 0.3435**.

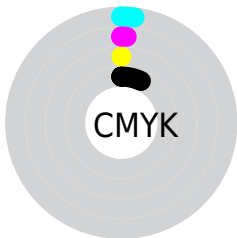
Distribution



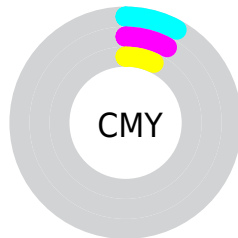
- Red (92%)
- Green (92%)
- Blue (93%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0821, 0.3102, 0.3259 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 83.0821, 0.3102, 0.3259 by changing the saturation by 10% instead.

83.0821, 0.3102,
0.3259

83.0821, 0.3102,
0.3259

505.2601, 0.3113,
0.3273

62.2579, 0.3099,
0.3256

137.6904, 0.3106,
0.3264

45.2411, 0.3096,
0.3252

172.2434, 0.3107,
0.3266

31.6474, 0.3092,
0.3247

212.1413, 0.3109,
0.3267

21.0923, 0.3087,
0.3241

257.7686, 0.3110,
0.3269

13.1915, 0.3081,
0.3233

309.5098, 0.3111,
0.3270

7.5605, 0.3071,
0.3221

367.7492, 0.3112,

3.8151, 0.3057,

0.3271

432.8711, 0.3113,
0.3272

0.3203

■ 1.5707, 0.3033,
0.3174

■ 0.3377, 0.2857,
0.2955

■ 83.0821, 0.3102,
0.3259

■ 83.0821, 0.3102,
0.3259

■ 69.5354, 0.2944,
0.3060

■ 97.6797, 0.3228,
0.3435

■ 57.5165, 0.2772,
0.2837

■ 98.9541, 0.3226,
0.3454

■ 46.9736, 0.2590,
0.2589

■ 37.8483, 0.2400,
0.2320

■ 30.0781, 0.2210,
0.2036

■ 23.5954, 0.2027,
0.1748

■ 18.3267, 0.1863,
0.1469

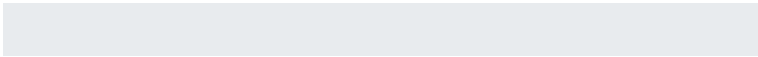
■ 14.1900, 0.1727,
0.1213

■ 11.0919, 0.1627,
0.0997

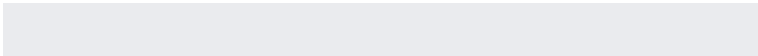
Harmonies

Analogous

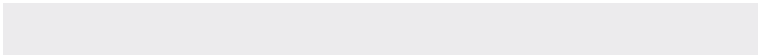
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0821, 0.3093, 0.3266



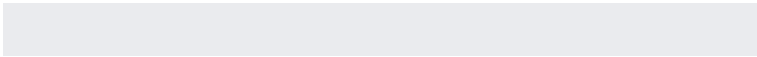
83.0821, 0.3102, 0.3259



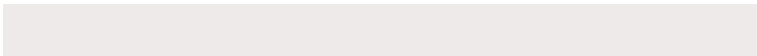
83.0821, 0.3118, 0.3260

Triad

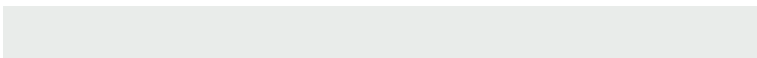
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0821, 0.3102, 0.3259



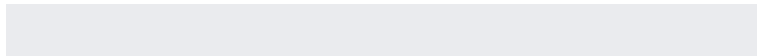
83.0821, 0.3162, 0.3300



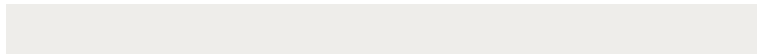
83.0821, 0.3118, 0.3311

Complementary

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



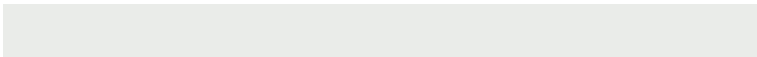
83.0821, 0.3102, 0.3259



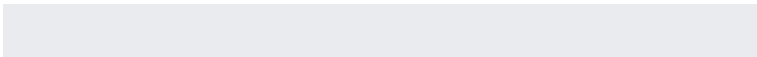
84.7151, 0.3152, 0.3321

Split Complementary

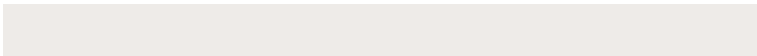
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0821, 0.3136, 0.3321



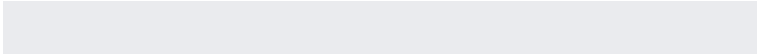
83.0821, 0.3102, 0.3259



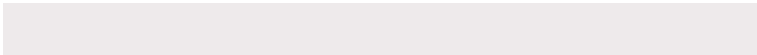
83.0821, 0.3162, 0.3314

Square

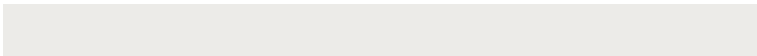
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



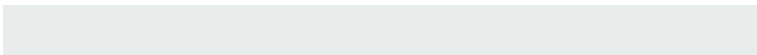
83.0821, 0.3102, 0.3259



83.0821, 0.3153, 0.3284



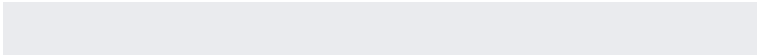
83.0821, 0.3153, 0.3322



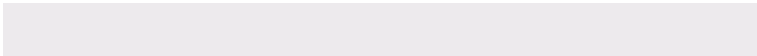
83.0821, 0.3102, 0.3296

Rectangle

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



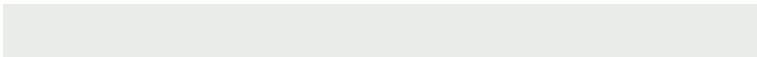
83.0821, 0.3102, 0.3259



83.0821, 0.3131, 0.3265



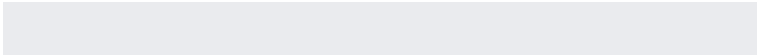
83.0821, 0.3153, 0.3322



83.0821, 0.3124, 0.3315

Sweetspot

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



83.0857, 0.3102, 0.3259



98.2957, 0.3112, 0.3272



84.7710, 0.3107, 0.3300



21.0573, 0.3113, 0.3272



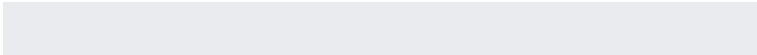
0.0000, 0.0000, 0.0000



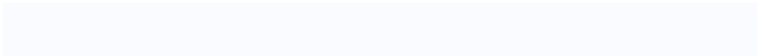
21.4041, 0.3127, 0.3290

Same Dimension

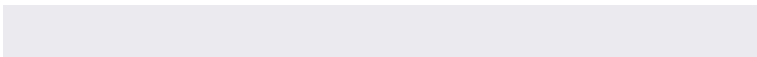
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0857, 0.3102, 0.3259



96.6101, 0.3097, 0.3253



82.6987, 0.3109, 0.3249



18.1316, 0.3099, 0.3255



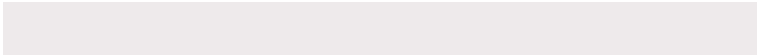
5.3050, 0.1577, 0.0877



0.5922, 0.1645, 0.1121

Inverse Universe

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



83.0369, 0.3148, 0.3280



96.5432, 0.3152, 0.3278



85.1087, 0.3145, 0.3331



18.1197, 0.3151, 0.3279



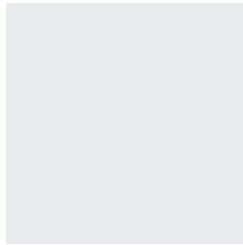
10.3289, 0.5948, 0.3050



0.8745, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 83.0821, 0.3102, 0.3259 looks on a white background.

Color Contrast Check

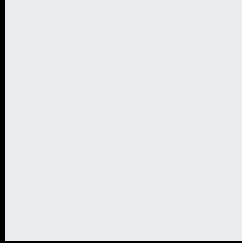
Large Text (above 18pt) WCAG AA × Fail

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 83.0821, 0.3102, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

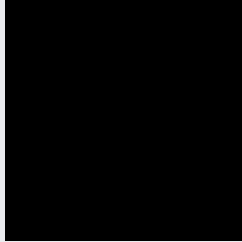
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

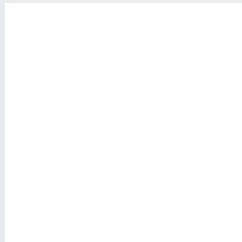
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0821, 0.3102, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 83.0821, 0.3102, 0.3259.

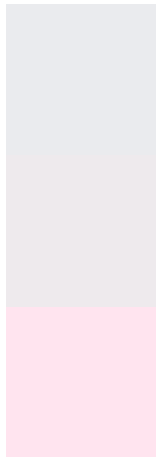


This preview shows how white text looks on a background with the Yxy color 83.0821, 0.3102, 0.3259.

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

83.0821, 0.3102, 0.3259

Protanopia

83.1372, 0.3135, 0.3260

Deuteranopia

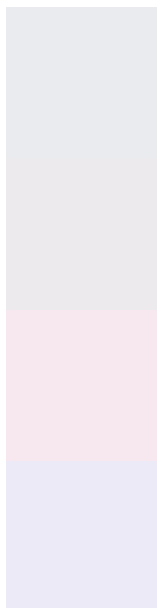
82.9788, 0.3243, 0.3182



Tritanopia

83.0757, 0.3036, 0.3109

Trichromacy



Original Color

83.0821, 0.3102, 0.3259

Protanomaly

82.9646, 0.3129, 0.3259

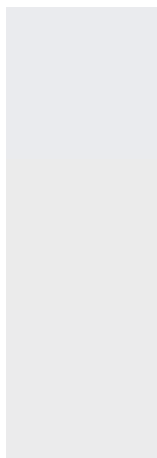
Deuteranomaly

83.1580, 0.3185, 0.3210

Tritanomaly

83.1616, 0.3060, 0.3168

Monochromacy



Original Color

83.0821, 0.3102, 0.3259

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1350, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0821, 0.3102, 0.3259 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(234, 235, 238)` looks like.

```
.text, #text, p{  
    color:rgb(234, 235, 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(234, 235, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 235, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.0821, 0.3102, 0.3259 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(234, 235, 238) }
```

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

```
.border{ border-color:rgb(234, 235, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 235, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 235, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 235, 238);  
box-shadow:4px 4px 4px 4px rgb(234, 235,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0821, 0.3102, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 235, 238) }
```

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

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