

Converting Colors

$Yxy(84.5952, 0.3113, 0.3255)$

Have a look what the booklet for
Yxy(84.5952, 0.3113, 0.3255)
contains.

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Color

Yxy(84.2867, 0.3109, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	EDEC F0
RGB	237, 236, 240
RGB Percent	93%, 93%, 94%
CMY	0.0705, 0.0745, 0.0587
CMYK	0.01, 0.02, 0.00, 0.06
HSL	255°, 12%, 93%
HSV	255°, 2%, 94%
XYZ	80.6548, 84.2867, 94.4820
YIQ	236.7550, -0.6880, 1.4560

Conversions

Conversions Part 2

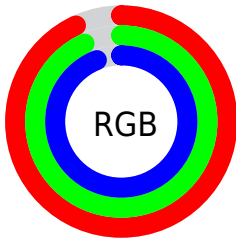
Format	Color
R _Y B	237, 236, 240
Decimal	15592688
CIE Lab	93.57, 1.06, -1.84
CIE LCh	94, 2.126, 300.042
Yxy	84.2867, 0.3109, 0.3249
Android (android.graphics.Color)	4293782768 (0xFFEDEC F0)
YUV	236.7550, 1.5998, 0.2149
Hunter-Lab	91.8078, -3.8482, 3.2484

Details

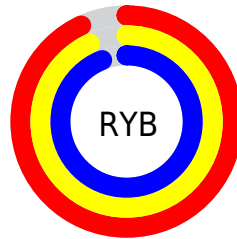
The Yxy color **84.2867, 0.3109, 0.3249** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.7518, 0.3145, 0.3331**, and the grayscale version is **84.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9270, 0.3104, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **68.4412, 0.2991, 0.2989**, and if you desaturate by 10%, it is **99.0733, 0.3214, 0.3434**.

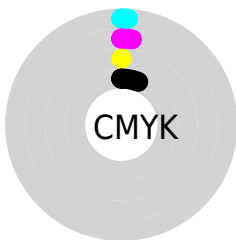
Distribution



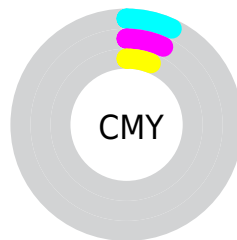
- Red (93%)
- Green (93%)
- Blue (94%)



- Red (93%)
- Yellow (93%)
- Blue (94%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (7%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2867, 0.3109, 0.3249 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 84.2867, 0.3109, 0.3249 by changing the saturation by 10% instead.

84.2867, 0.3109,
0.3249

84.2867, 0.3109,
0.3249

509.2648, 0.3117,
0.3268

63.2522, 0.3107,
0.3245

139.3762, 0.3112,
0.3255

46.0452, 0.3105,
0.3240

174.1999, 0.3113,
0.3258

32.2815, 0.3102,
0.3234

214.3888, 0.3114,
0.3260

21.5766, 0.3098,
0.3225

260.3272, 0.3115,
0.3262

13.5461, 0.3094,
0.3215

312.3997, 0.3115,
0.3264

7.8057, 0.3087,
0.3200

370.9905, 0.3116,

3.9709, 0.3076,

0.3265

0.3177

436.4841, 0.3117,
0.3266

■ 1.6573, 0.3059,
0.3139

■ 0.3958, 0.2962,
0.2915

■ 84.2867, 0.3109,
0.3249

■ 84.2867, 0.3109,
0.3249

■ 68.4412, 0.2991,
0.2989

■ 99.0733, 0.3214,
0.3434

■ 54.6777, 0.2855,
0.2701

■ 42.9118, 0.2702,
0.2389

■ 33.0491, 0.2534,
0.2061

■ 24.9876, 0.2354,
0.1729

■ 18.6155, 0.2172,
0.1413

■ 13.8083, 0.1997,
0.1132

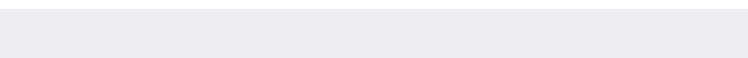
■ 10.4236, 0.1840,
0.0907

■ 8.2916, 0.1713,
0.0752

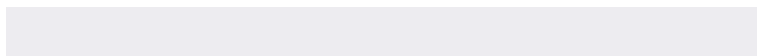
Harmonies

Analogous

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



84.2867, 0.3090, 0.3250



84.2867, 0.3109, 0.3249



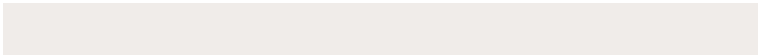
84.2867, 0.3133, 0.3258

Triad

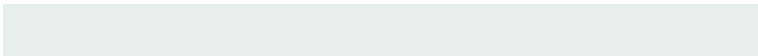
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2867, 0.3109, 0.3249



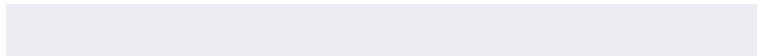
84.2867, 0.3175, 0.3318



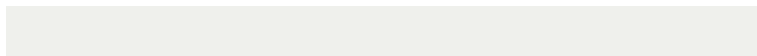
84.2867, 0.3098, 0.3304

Complementary

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



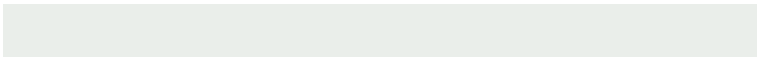
84.2867, 0.3109, 0.3249



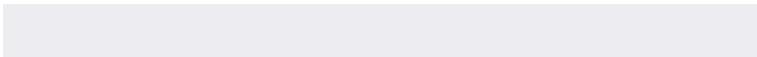
86.7518, 0.3145, 0.3331

Split Complementary

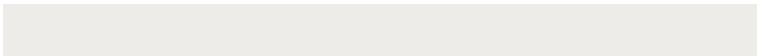
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2867, 0.3121, 0.3322



84.2867, 0.3109, 0.3249



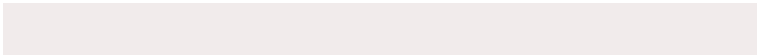
84.2867, 0.3165, 0.3330

Square

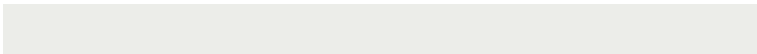
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



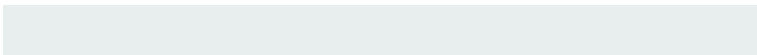
84.2867, 0.3109, 0.3249



84.2867, 0.3171, 0.3298



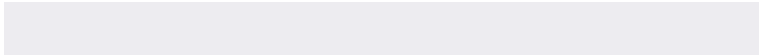
84.2867, 0.3145, 0.3332



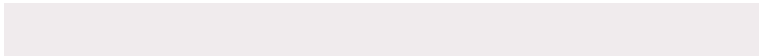
84.2867, 0.3083, 0.3282

Rectangle

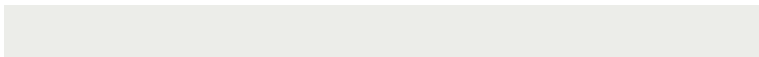
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



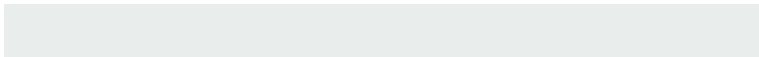
84.2867, 0.3109, 0.3249



84.2867, 0.3149, 0.3270



84.2867, 0.3145, 0.3332



84.2867, 0.3105, 0.3311

Sweetspot

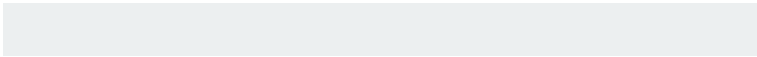
The Sweet Spot groups the original color and five complimentary colors.



84.2903, 0.3109, 0.3249



98.0231, 0.3116, 0.3266



85.8745, 0.3101, 0.3280



21.0018, 0.3117, 0.3267



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.



84.2903, 0.3109, 0.3249



96.0712, 0.3105, 0.3241



84.6393, 0.3122, 0.3249



18.0361, 0.3107, 0.3244



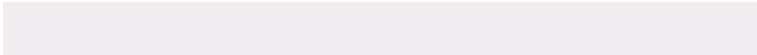
4.0243, 0.1646, 0.0680



0.3803, 0.1775, 0.0752

Inverse Universe

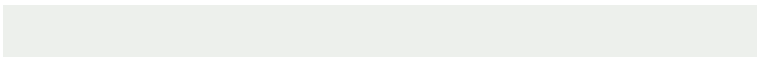
The Inverse Universe completely reimagines the original color for something new.



84.7555, 0.3135, 0.3260



96.7071, 0.3137, 0.3254



86.4029, 0.3132, 0.3331



18.1487, 0.3136, 0.3256



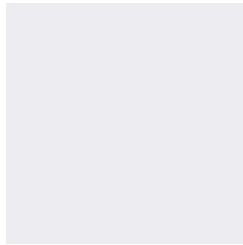
11.9650, 0.3964, 0.1957



1.0112, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 84.2867, 0.3109, 0.3249 looks on a white background.

Color Contrast Check

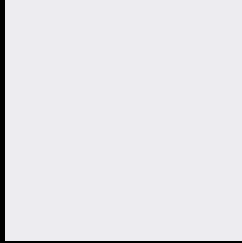
Large Text (above 18pt) WCAG AA × Fail

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 84.2867, 0.3109, 0.3249 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

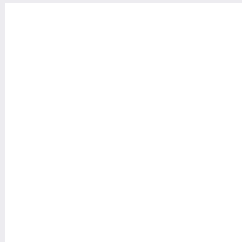
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2867, 0.3109, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 84.2867, 0.3109, 0.3249.

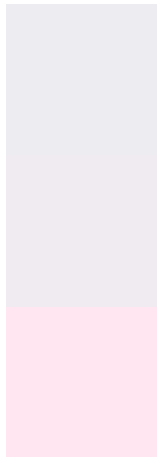


This preview shows how white text looks on a background with the Yxy color 84.2867, 0.3109, 0.3249.

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

84.2867, 0.3109, 0.3249

Protanopia

84.2332, 0.3130, 0.3240

Deuteranopia

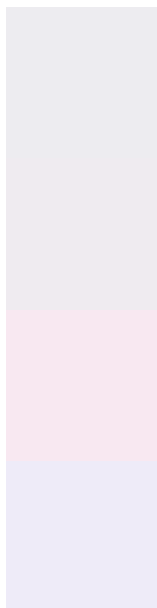
84.2045, 0.3228, 0.3182



Tritanopia

84.2882, 0.3044, 0.3100

Trichromacy



Original Color

84.2867, 0.3109, 0.3249

Protanomaly

84.0587, 0.3123, 0.3239

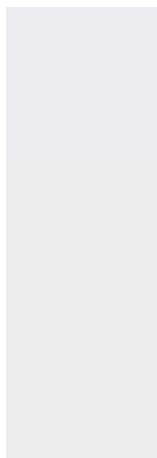
Deuteranomaly

84.0206, 0.3179, 0.3201

Tritanomaly

84.3711, 0.3067, 0.3159

Monochromacy



Original Color

84.2867, 0.3109, 0.3249

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7459, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2867, 0.3109, 0.3249 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(237, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(237, 236, 240)  
}
```

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(237, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 236, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.2867, 0.3109, 0.3249 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(237, 236, 240) }
```

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

```
.border{ border-color:rgb(237, 236, 240) }
```

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

Here you see how a box with a 4 pixel rgb(237, 236, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(237, 236,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2867, 0.3109, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 236, 240) }
```

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

```
.background{ background-color: rgb(237,  
236, 240) }
```

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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