

Converting Colors

$Y_{xy}(82.8616, 0.3128, 0.3272)$

Have a look what the booklet for
Yxy(82.8616, 0.3128, 0.3272)
contains.

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Color

Yxy(82.7346, 0.3128, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	ECEAEC
RGB	236, 234, 236
RGB Percent	93%, 92%, 93%
CMY	0.0747, 0.0823, 0.0746
CMYK	0.00, 0.01, 0.00, 0.07
HSL	300°, 5%, 92%
HSV	300°, 1%, 93%
XYZ	79.1418, 82.7346, 91.1346
YIQ	234.8260, 0.5500, 1.0460

Conversions

Conversions Part 2

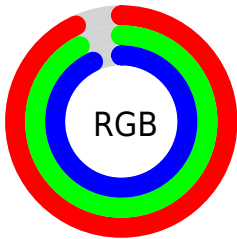
Format	Color
R _{YB}	236, 234, 236
Decimal	15526636
CIE Lab	92.90, 1.00, -0.73
CIE LCh	93, 1.239, 324.055
Yxy	82.7346, 0.3128, 0.3270
Android (android.graphics.Color)	4293716716 (0xFFECEAEC)
YUV	234.8260, 0.5788, 1.0296
Hunter-Lab	90.9586, -3.8670, 4.2663

Details

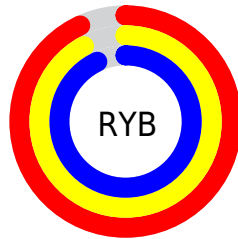
The Yxy color $82.7346, 0.3128, 0.3270$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $83.4165, 0.3126, 0.3310$, and the grayscale version is $82.9309, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $44.8394, 0.3128, 0.3264$ is the 20% darker color. If you saturate the color by 10%, you get $70.1528, 0.3138, 0.3024$, and if you desaturate by 10%, it is $95.4311, 0.3119, 0.3480$.

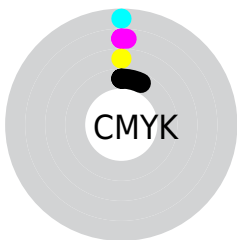
Distribution



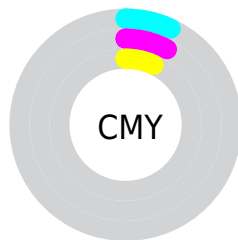
- Red (93%)
- Green (92%)
- Blue (93%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7346, 0.3128, 0.3270 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 82.7346, 0.3128, 0.3270 by changing the saturation by 10% instead.

 82.7346, 0.3128,
0.3270

 82.7346, 0.3128,
0.3270


504.1016, 0.3128,
0.3279

 61.9712, 0.3128,
0.3268


137.2037, 0.3128,
0.3273

 45.0095, 0.3128,
0.3265


171.6782, 0.3128,
0.3274

 31.4649, 0.3128,
0.3262


211.4919, 0.3128,
0.3275

 20.9531, 0.3128,
0.3258

257.0291, 0.3128,
0.3276

 13.0897, 0.3129,
0.3253

308.6743, 0.3128,
0.3277

 7.4904, 0.3129,
0.3245

366.8119, 0.3128,

 3.7706, 0.3129,

0.3278

0.3234

431.8261, 0.3128,
0.3279

■ 1.5461, 0.3130,
0.3215

■ 0.3208, 0.3136,
0.3054

■ 82.7346, 0.3128,
0.3270

■ 82.7346, 0.3128,
0.3270

■ 70.1528, 0.3138,
0.3024

■ 95.4311, 0.3119,
0.3480

■ 59.2867, 0.3149,
0.2772

■ 95.4616, 0.3120,
0.3480

■ 50.0652, 0.3158,
0.2523

■ 95.4920, 0.3121,
0.3480

■ 42.4078, 0.3168,
0.2284

■ 95.5225, 0.3123,
0.3480

36.2276, 0.3176,
0.2067

95.5531, 0.3124,
0.3480

31.4289, 0.3182,
0.1879

95.5836, 0.3125,
0.3480

27.9050, 0.3187,
0.1730

95.6142, 0.3126,
0.3480

25.5337, 0.3190,
0.1623

95.6449, 0.3127,
0.3480

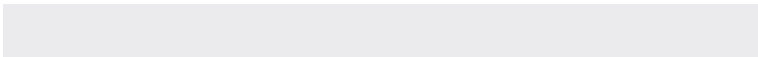
24.1686, 0.3191,
0.1559

95.6755, 0.3128,
0.3480

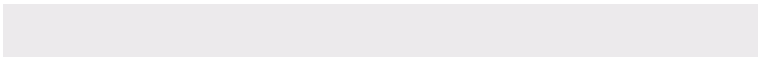
Harmonies

Analogous

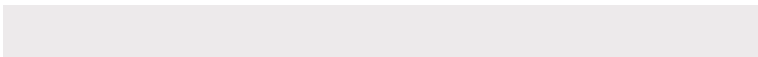
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7346, 0.3114, 0.3266



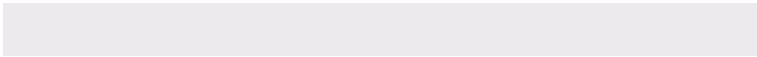
82.7346, 0.3128, 0.3270



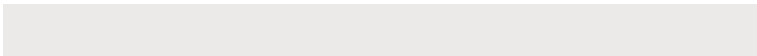
82.7346, 0.3142, 0.3280

Triad

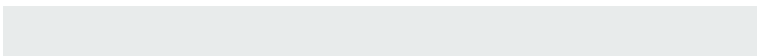
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7346, 0.3128, 0.3270



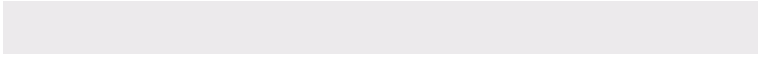
82.7346, 0.3151, 0.3313



82.7346, 0.3103, 0.3288

Complementary

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



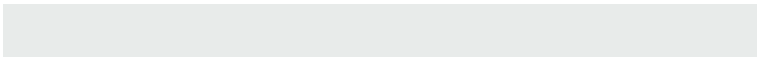
82.7346, 0.3128, 0.3270



83.4165, 0.3126, 0.3310

Split Complementary

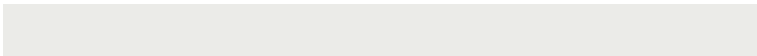
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7346, 0.3113, 0.3301



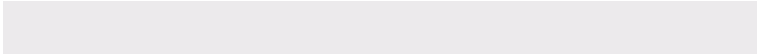
82.7346, 0.3128, 0.3270



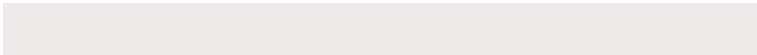
82.7346, 0.3141, 0.3315

Square

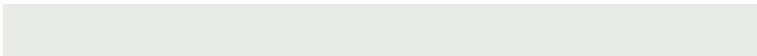
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



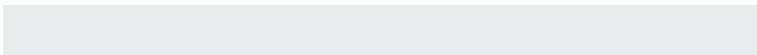
82.7346, 0.3128, 0.3270



82.7346, 0.3155, 0.3304



82.7346, 0.3126, 0.3311



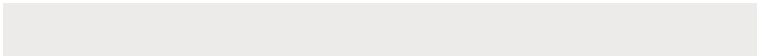
82.7346, 0.3099, 0.3276

Rectangle

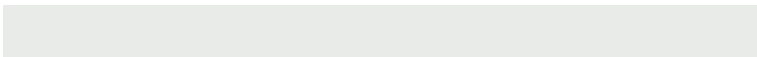
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



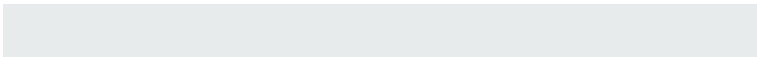
82.7346, 0.3128, 0.3270



82.7346, 0.3149, 0.3288



82.7346, 0.3126, 0.3311



82.7346, 0.3105, 0.3292

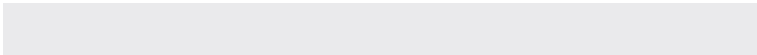
Sweetspot

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



82.7382, 0.3128, 0.3270

100.0000, 0.3127, 0.3290



82.4266, 0.3115, 0.3270



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

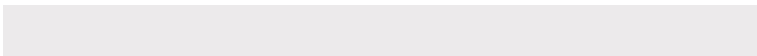
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7382, 0.3128, 0.3270



98.3801, 0.3128, 0.3266



82.6859, 0.3134, 0.3280



17.6136, 0.3128, 0.3267



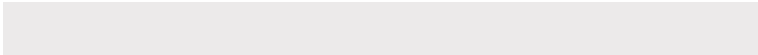
13.0040, 0.3191, 0.1531



1.0230, 0.3193, 0.1533

Inverse Universe

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



82.6286, 0.3140, 0.3290



98.2218, 0.3143, 0.3290



83.4685, 0.3120, 0.3300



17.5869, 0.3142, 0.3290



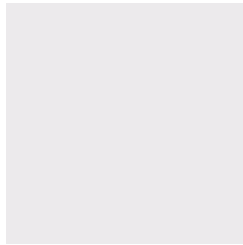
9.8328, 0.6393, 0.3295



0.7728, 0.6370, 0.3283

Previews

White Background



This preview shows how the Yxy color 82.7346, 0.3128, 0.3270 looks on a white background.

Color Contrast Check

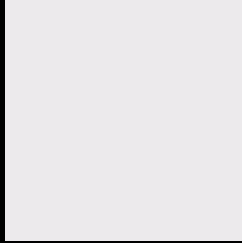
Large Text (above 18pt) WCAG AA × Fail

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 82.7346, 0.3128, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

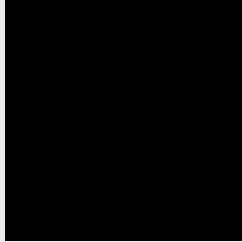
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

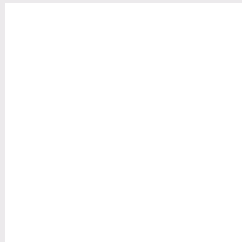
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7346, 0.3128, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 82.7346, 0.3128, 0.3270.

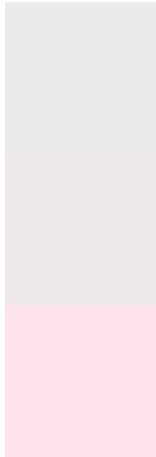


This preview shows how white text looks on a background with the Yxy color 82.7346, 0.3128, 0.3270.

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

82.7346, 0.3128, 0.3270

Protanopia

82.5111, 0.3142, 0.3259

Deuteranopia

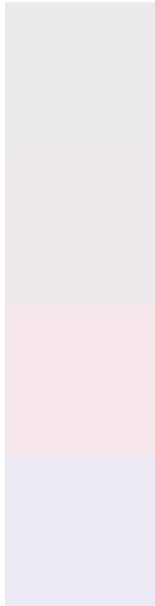
82.3126, 0.3257, 0.3192



Tritanopia

82.7925, 0.3056, 0.3109

Trichromacy



Original Color

82.7346, 0.3128, 0.3270

Protanomaly

82.3385, 0.3135, 0.3259

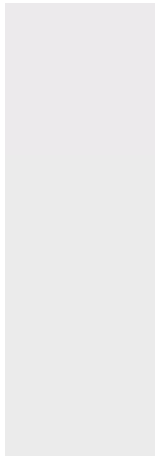
Deuteranomaly

82.6645, 0.3206, 0.3220

Tritanomaly

82.8749, 0.3079, 0.3169

Monochromacy



Original Color

82.7346, 0.3128, 0.3270

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.0770, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7346, 0.3128, 0.3270 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, 234, 236) looks like.

```
.text, #text, p{  
    color:rgb(236, 234, 236)  
}
```

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, 234, 236) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 82.7346, 0.3128, 0.3270 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, 234, 236) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to Yxy 82.7346, 0.3128, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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