

Converting Colors

$Yxy(81.3488, 0.3089, 0.3255)$

Have a look what the booklet for
Yxy(81.3488, 0.3089, 0.3255)
contains.

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Color

Yxy(81.3812, 0.3089, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E7E9ED
RGB	231, 233, 237
RGB Percent	91%, 91%, 93%
CMY	0.0942, 0.0862, 0.0707
CMYK	0.03, 0.02, 0.00, 0.07
HSL	220°, 14%, 92%
HSV	220°, 3%, 93%
XYZ	77.3735, 81.3812, 91.7261
YIQ	232.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

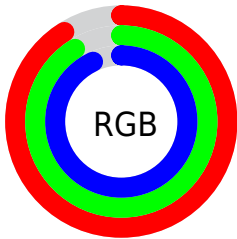
Format	Color
R _Y B	231, 233, 237
Decimal	15198701
CIE Lab	92.30, 0.05, -2.16
CIE LCh	92, 2.164, 271.231
Yxy	81.3812, 0.3089, 0.3249
Android (android.graphics.Color)	4293388781 (0xFFE7E9ED)
YUV	232.8580, 2.0420, -1.6295
Hunter-Lab	90.2115, -4.7725, 2.8627

Details

The Yxy color **81.3812, 0.3089, 0.3249** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1548, 0.3165, 0.3331**, and the grayscale version is **81.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8944, 0.3078, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **69.2155, 0.2931, 0.3074**, and if you desaturate by 10%, it is **94.8769, 0.3236, 0.3404**.

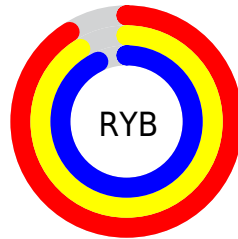
Distribution



Red (91%)

Green (91%)

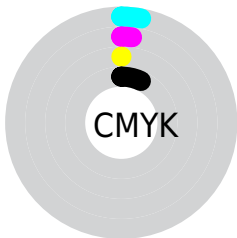
Blue (93%)



Red (91%)

Yellow (91%)

Blue (93%)

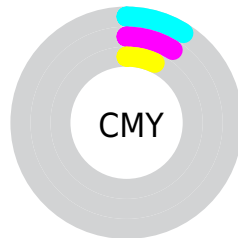


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3812, 0.3089, 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 81.3812, 0.3089, 0.3249 by changing the saturation by 10% instead.

■ 81.3812, 0.3089,
0.3249

■ 81.3812, 0.3089,
0.3249

499.5755, 0.3106,
0.3268

■ 60.8556, 0.3085,
0.3245

135.3059, 0.3095,
0.3255

■ 44.1086, 0.3080,
0.3240

169.4738, 0.3097,
0.3258

■ 30.7559, 0.3074,
0.3233

208.9579, 0.3099,
0.3260

■ 20.4131, 0.3067,
0.3225

254.1426, 0.3101,
0.3262

■ 12.6957, 0.3056,
0.3214

305.4123, 0.3103,
0.3264

■ 7.2193, 0.3042,
0.3198

363.1514, 0.3104,

■ 3.5996, 0.3019,

0.3265

0.3174

427.7444, 0.3105,
0.3267

■ 1.4522, 0.2981,
0.3133

■ 0.2547, 0.2625,
0.2749

■ 81.3812, 0.3089,
0.3249

■ 81.3812, 0.3089,
0.3249

■ 69.2155, 0.2931,
0.3074

■ 94.8769, 0.3236,
0.3404

■ 58.3277, 0.2762,
0.2877

■ 98.8926, 0.3232,
0.3464

■ 48.6772, 0.2585,
0.2660

■ 40.2173, 0.2405,
0.2425

■ 32.8982, 0.2227,
0.2175

■ 26.6661, 0.2058,
0.1918

■ 21.4623, 0.1906,
0.1664

■ 17.2214, 0.1779,
0.1423

■ 13.8683, 0.1682,
0.1206

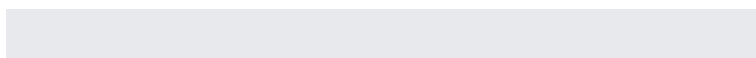
Harmonies

Analogous

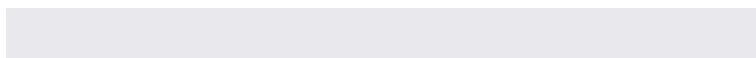
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3812, 0.3079, 0.3261



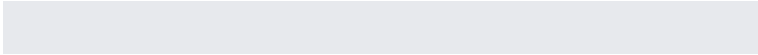
81.3812, 0.3089, 0.3249



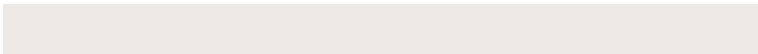
81.3812, 0.3109, 0.3248

Triad

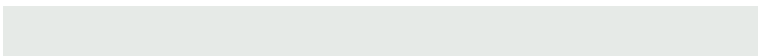
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.3812, 0.3089, 0.3249



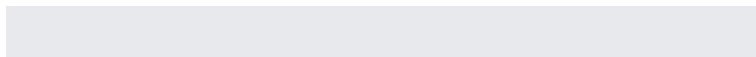
81.3812, 0.3173, 0.3299



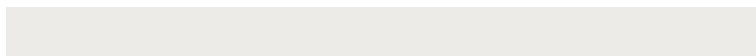
81.3812, 0.3120, 0.3323

Complementary

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



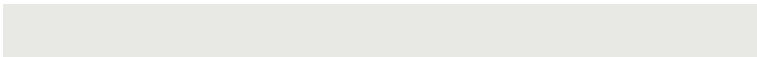
81.3812, 0.3089, 0.3249



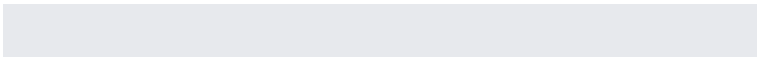
83.1548, 0.3165, 0.3331

Split Complementary

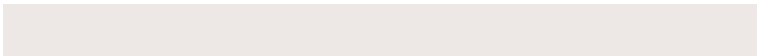
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3812, 0.3145, 0.3333



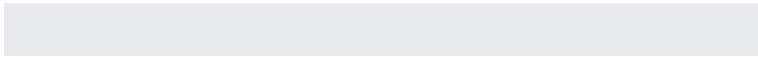
81.3812, 0.3089, 0.3249



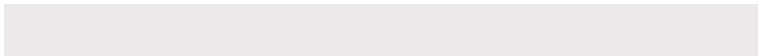
81.3812, 0.3176, 0.3319

Square

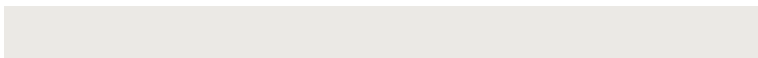
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



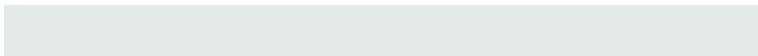
81.3812, 0.3089, 0.3249



81.3812, 0.3158, 0.3277



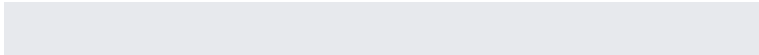
81.3812, 0.3166, 0.3332



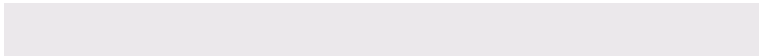
81.3812, 0.3097, 0.3304

Rectangle

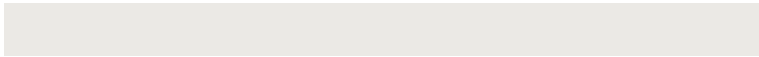
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3812, 0.3089, 0.3249



81.3812, 0.3126, 0.3254



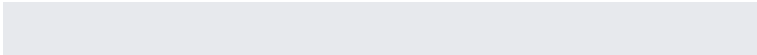
81.3812, 0.3166, 0.3332



81.3812, 0.3128, 0.3327

Sweetspot

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



81.3847, 0.3089, 0.3249



98.4475, 0.3112, 0.3274



83.5289, 0.3100, 0.3312



21.0882, 0.3113, 0.3275



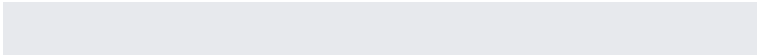
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

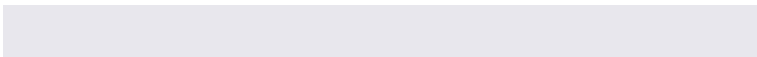
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3847, 0.3089, 0.3249



95.3898, 0.3082, 0.3241



80.3960, 0.3096, 0.3228



16.8548, 0.3070, 0.3228



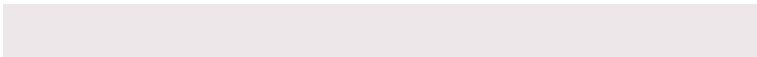
6.6995, 0.1637, 0.1094



0.6983, 0.1714, 0.1370

Inverse Universe

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



81.0296, 0.3155, 0.3269



94.8940, 0.3161, 0.3265



84.1648, 0.3158, 0.3351



16.7450, 0.3170, 0.3259



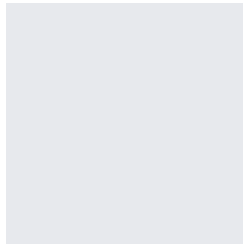
10.1691, 0.5619, 0.2869



0.8159, 0.5231, 0.2655

Previews

White Background



This preview shows how the Yxy color 81.3812, 0.3089, 0.3249 looks on a white background.

Color Contrast Check

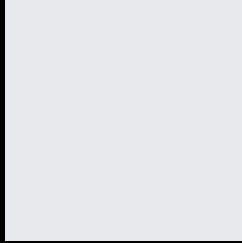
Large Text (above 18pt) WCAG AA × Fail

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 81.3812, 0.3089, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

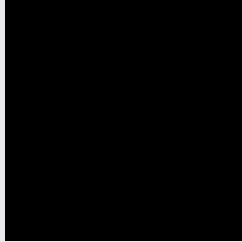
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

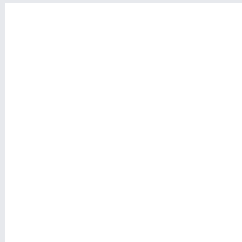
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3812, 0.3089, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 81.3812, 0.3089, 0.3249.

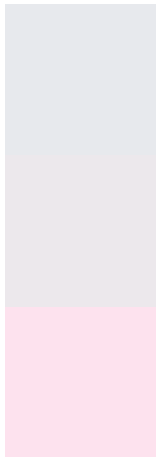


This preview shows how white text looks on a background with the Yxy color 81.3812, 0.3089, 0.3249.

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

81.3812, 0.3089, 0.3249

Protanopia

81.6022, 0.3129, 0.3249

Deuteranopia

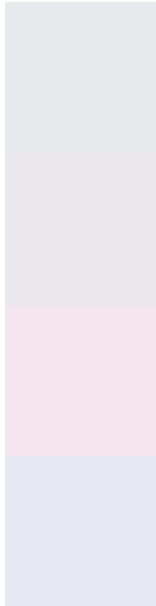
81.4484, 0.3237, 0.3171



Tritanopia

81.3150, 0.3029, 0.3107

Trichromacy



Original Color

81.3812, 0.3089, 0.3249

Protanomaly

81.2618, 0.3116, 0.3249

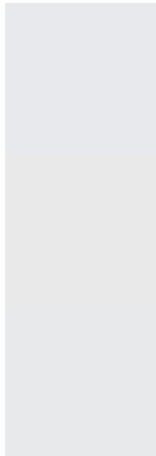
Deuteranomaly

81.6241, 0.3179, 0.3200

Tritanomaly

81.4616, 0.3047, 0.3157

Monochromacy



Original Color

81.3812, 0.3089, 0.3249

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.3741, 0.3114, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3812, 0.3089, 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(231, 233, 237)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 237)  
}
```

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(231, 233, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 237) }
```

Border

The CSS property to change the border of an element to Yxy 81.3812, 0.3089, 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(231, 233, 237) }
```

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

```
.border{ border-color:rgb(231, 233, 237) }
```

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

Here you see how a box with a 4 pixel rgb(231, 233, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3812, 0.3089, 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(231, 233, 237) }
```

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

```
.background{ background-color: rgb(231,  
233, 237) }
```

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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