

Converting Colors

$Yxy(81.9781, 0.3119, 0.3261)$

Have a look what the booklet for
Yxy(81.9781, 0.3119, 0.3261)
contains.

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Color

Yxy(81.9961, 0.3122, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	EBE9EC
RGB	235, 233, 236
RGB Percent	92%, 91%, 93%
CMY	0.0783, 0.0863, 0.0745
CMYK	0.00, 0.01, 0.00, 0.07
HSL	280°, 7%, 92%
HSV	280°, 1%, 93%
XYZ	78.5492, 81.9961, 91.0537
YIQ	233.9400, 0.2290, 1.3570

Conversions

Conversions Part 2

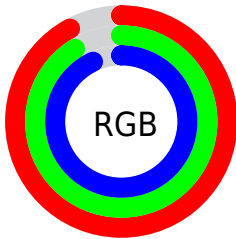
Format	Color
R _Y B	235, 233, 236
Decimal	15460844
CIE Lab	92.57, 1.23, -1.23
CIE LCh	93, 1.738, 314.880
Yxy	81.9961, 0.3122, 0.3259
Android (android.graphics.Color)	4293650924 (0xFFE9E9EC)
YUV	233.9400, 1.0156, 0.9296
Hunter-Lab	90.5517, -3.6254, 3.7675

Details

The Yxy color **81.9961, 0.3122, 0.3259** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.3709, 0.3132, 0.3321**, and the grayscale version is **82.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3233, 0.3120, 0.3250** is the 20% darker color. If you saturate the color by 10%, you get **68.2396, 0.3077, 0.3007**, and if you desaturate by 10%, it is **96.5803, 0.3160, 0.3477**.

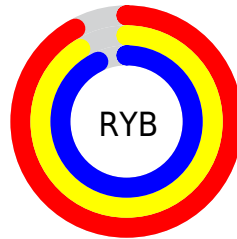
Distribution



Red (92%)

Green (91%)

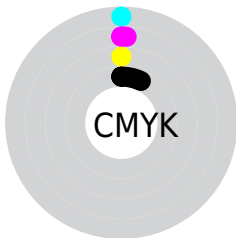
Blue (93%)



Red (92%)

Yellow (91%)

Blue (93%)

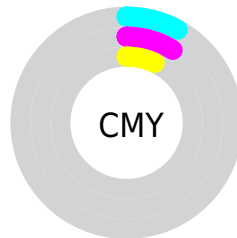


Cyan (0%)

Magenta (1%)

Yellow (0%)

Black (7%)



Cyan (8%)

Magenta (9%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9961, 0.3122, 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 81.9961, 0.3122, 0.3259 by changing the saturation by 10% instead.

■ 81.9961, 0.3122,
0.3259

■ 81.9961, 0.3122,
0.3259

501.6346, 0.3124,
0.3273

■ 61.3623, 0.3121,
0.3256

136.1685, 0.3123,
0.3264

■ 44.5176, 0.3121,
0.3252

170.4760, 0.3123,
0.3266

■ 31.0777, 0.3120,
0.3247

210.1101, 0.3123,
0.3267

■ 20.6580, 0.3119,
0.3241

255.4553, 0.3124,
0.3269

■ 12.8742, 0.3117,
0.3233

306.8959, 0.3124,
0.3270

■ 7.3420, 0.3115,
0.3221

364.8165, 0.3124,

■ 3.6769, 0.3112,

0.3271

429.6012, 0.3124,
0.3272

0.3203

■ 1.4945, 0.3107,
0.3173

■ 0.2849, 0.3063,
0.2901

■ 81.9961, 0.3122,
0.3259

■ 81.9961, 0.3122,
0.3259

■ 68.2396, 0.3077,
0.3007

■ 96.5803, 0.3160,
0.3477

■ 56.2521, 0.3024,
0.2740

■ 97.9731, 0.3209,
0.3475

■ 45.9612, 0.2962,
0.2464

■ 98.8370, 0.3238,
0.3473

■ 37.2856, 0.2891,
0.2186

■ 30.1370, 0.2812,
0.1917

■ 24.4188, 0.2727,
0.1669

■ 20.0228, 0.2638,
0.1455

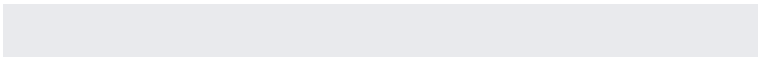
■ 16.8249, 0.2549,
0.1283

■ 14.6766, 0.2462,
0.1162

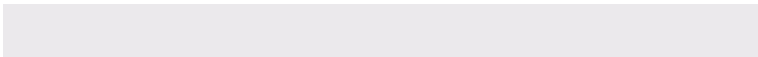
Harmonies

Analogous

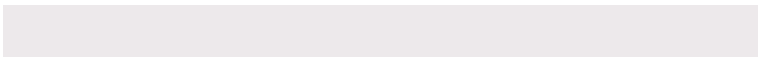
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9961, 0.3103, 0.3256



81.9961, 0.3122, 0.3259



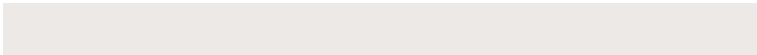
81.9961, 0.3142, 0.3271

Triad

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



81.9961, 0.3122, 0.3259



81.9961, 0.3164, 0.3319



81.9961, 0.3096, 0.3293

Complementary

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



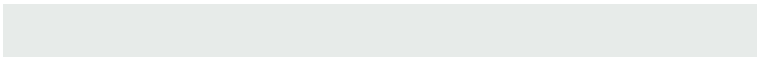
81.9961, 0.3122, 0.3259



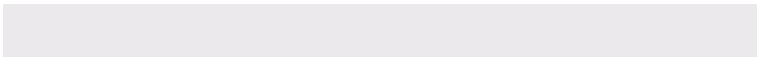
83.3709, 0.3132, 0.3321

Split Complementary

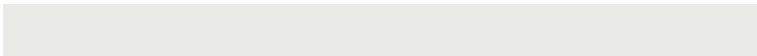
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9961, 0.3112, 0.3310



81.9961, 0.3122, 0.3259



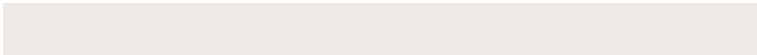
81.9961, 0.3151, 0.3325

Square

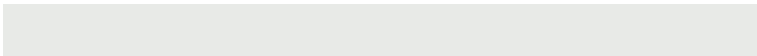
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



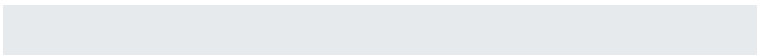
81.9961, 0.3122, 0.3259



81.9961, 0.3166, 0.3305



81.9961, 0.3132, 0.3322



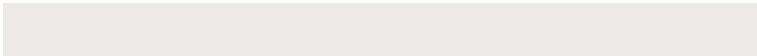
81.9961, 0.3088, 0.3275

Rectangle

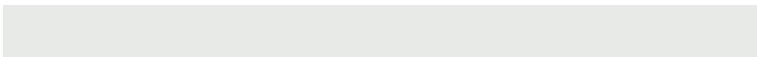
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



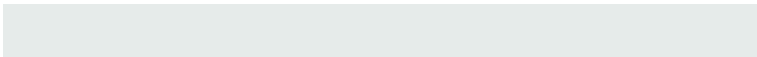
81.9961, 0.3122, 0.3259



81.9961, 0.3154, 0.3282



81.9961, 0.3132, 0.3322



81.9961, 0.3101, 0.3299

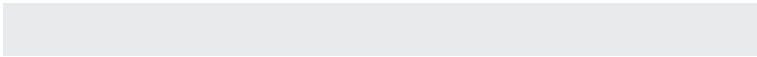
Sweetspot

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



81.9996, 0.3122, 0.3259

100.0000, 0.3127, 0.3290



82.2263, 0.3108, 0.3269



21.4041, 0.3127, 0.3290



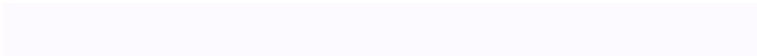
0.0000, 0.0000, 0.0000

Same Dimension

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



81.9996, 0.3122, 0.3259



96.4757, 0.3119, 0.3241



82.1381, 0.3132, 0.3264



17.2923, 0.3119, 0.3244



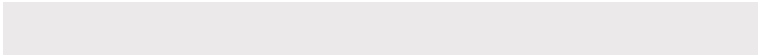
7.4863, 0.2403, 0.1098



0.6395, 0.2517, 0.1160

Inverse Universe

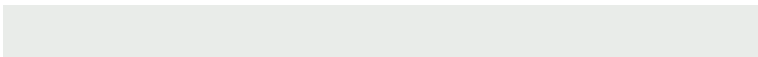
The Inverse Universe completely reimagines the original color for something new.



82.0496, 0.3141, 0.3280



96.5694, 0.3150, 0.3274



83.2339, 0.3123, 0.3316



17.3081, 0.3148, 0.3275



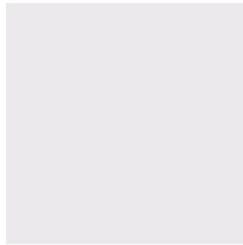
10.1446, 0.5667, 0.2895



0.8137, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 81.9961, 0.3122, 0.3259 looks on a white background.

Color Contrast Check

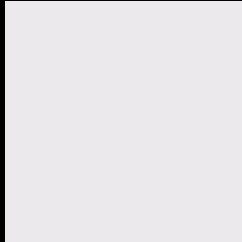
Large Text (above 18pt) WCAG AA × Fail

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 81.9961, 0.3122, 0.3259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

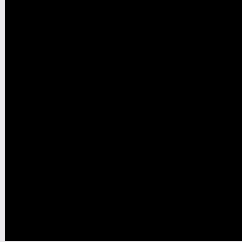
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

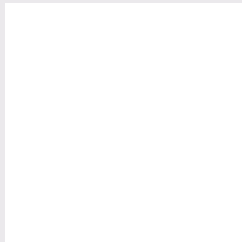
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9961, 0.3122, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 81.9961, 0.3122, 0.3259.

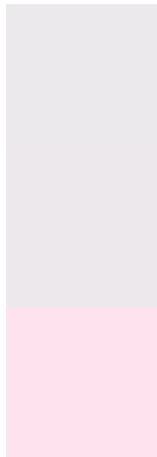


This preview shows how white text looks on a background with the Yxy color 81.9961, 0.3122, 0.3259.

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

81.9961, 0.3122, 0.3259

Protanopia

81.7739, 0.3136, 0.3249

Deuteranopia

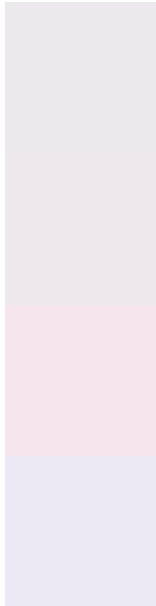
81.5780, 0.3251, 0.3182



Tritanopia

81.9959, 0.3055, 0.3108

Trichromacy



Original Color

81.9961, 0.3122, 0.3259

Protanomaly

81.6022, 0.3129, 0.3249

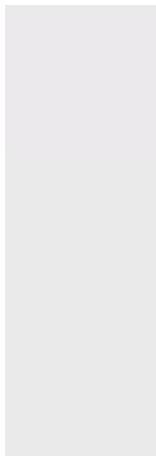
Deuteranomaly

81.9272, 0.3200, 0.3210

Tritanomaly

82.0777, 0.3079, 0.3168

Monochromacy



Original Color

81.9961, 0.3122, 0.3259

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3362, 0.3121, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9961, 0.3122, 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(235, 233, 236)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 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(235, 233, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 236) }
```

Border

The CSS property to change the border of an element to Yxy 81.9961, 0.3122, 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(235, 233, 236) }
```

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

```
.border{ border-color:rgb(235, 233, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
236) }
```

Background

The CSS property to change the background color of an element to Yxy 81.9961, 0.3122, 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(235, 233, 236) }
```

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

```
.background{ background-color: rgb(235,  
233, 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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