

Converting Colors

$Yxy(81.5676, 0.3119, 0.3221)$

Have a look what the booklet for
Yxy(81.5676, 0.3119, 0.3221)
contains.

Yxy(81.8908, 0.3123, 0.3229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.8908, 0.3123, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	EDE8EE
RGB	237, 232, 238
RGB Percent	93%, 91%, 93%
CMY	0.0708, 0.0901, 0.0667
CMYK	0.00, 0.03, 0.00, 0.07
HSL	290°, 15%, 92%
HSV	290°, 3%, 93%
XYZ	79.2025, 81.8908, 92.5171
YIQ	234.1790, 1.0540, 2.9260

Conversions

Conversions Part 2

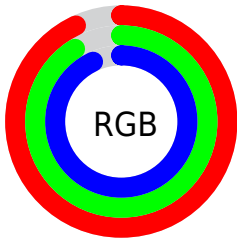
Format	Color
RYB	237, 232, 238
Decimal	15591662
CIELab	92.53, 2.72, -2.32
CIElCh	93, 3.576, 319.632
Yxy	81.8908, 0.3123, 0.3229
Android (android.graphics.Color)	4293781742 (0xFFE8E8EE)
YUV	234.1790, 1.8838, 2.4740
Hunter-Lab	90.4935, -2.1354, 2.7297

Details

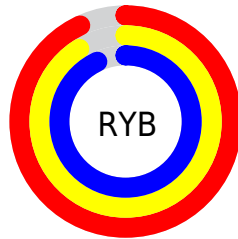
The Yxy color **81.8908, 0.3123, 0.3229** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.3081, 0.3131, 0.3351**, and the grayscale version is **82.4047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.2518, 0.3122, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **68.6847, 0.3104, 0.2978**, and if you desaturate by 10%, it is **96.4108, 0.3139, 0.3458**.

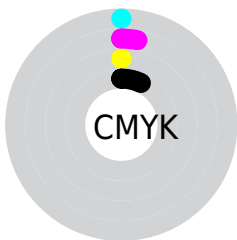
Distribution



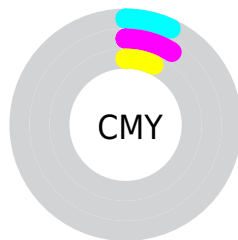
- Red (93%)
- Green (91%)
- Blue (93%)



- Red (93%)
- Yellow (91%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (7%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8908, 0.3123, 0.3229 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 81.8908, 0.3123, 0.3229 by changing the saturation by 10% instead.

 81.8908, 0.3123,
0.3229

 81.8908, 0.3123,
0.3229


501.2824, 0.3125,
0.3257

 61.2755, 0.3123,
0.3223


136.0209, 0.3124,
0.3238

 44.4476, 0.3122,
0.3215


170.3044, 0.3124,
0.3242

 31.0225, 0.3121,
0.3206


209.9129, 0.3124,
0.3245

 20.6160, 0.3120,
0.3194

255.2306, 0.3124,
0.3248

 12.8436, 0.3119,
0.3178

306.6421, 0.3125,
0.3251

 7.3209, 0.3117,
0.3155

364.5316, 0.3125,

 3.6636, 0.3114,

0.3253

0.3120

429.2835, 0.3125,
0.3255

■ 1.4872, 0.3109,
0.3063

■ 0.2797, 0.3082,
0.2593

■ 81.8908, 0.3123,
0.3229

■ 81.8908, 0.3123,
0.3229

■ 68.6847, 0.3104,
0.2978

■ 96.4108, 0.3139,
0.3458

■ 57.2333, 0.3080,
0.2717

■ 97.1483, 0.3164,
0.3457

■ 47.4629, 0.3051,
0.2454

■ 97.9025, 0.3191,
0.3456

■ 39.2903, 0.3018,
0.2196

■ 98.6734, 0.3217,
0.3454

■ 32.6251, 0.2979,
0.1955

■ 98.9528, 0.3226,
0.3454

■ 27.3680, 0.2937,
0.1740

■ 23.4075, 0.2892,
0.1562

■ 20.6152, 0.2846,
0.1427

■ 18.8360, 0.2800,
0.1339

Harmonies

Analogous

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



81.8908, 0.3083, 0.3219



81.8908, 0.3123, 0.3229



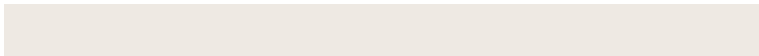
81.8908, 0.3164, 0.3255

Triad

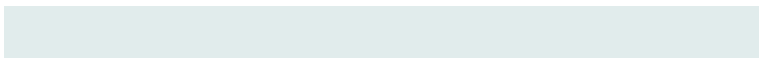
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8908, 0.3123, 0.3229



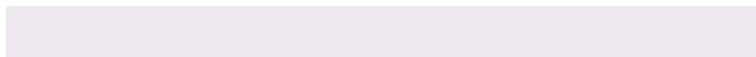
81.8908, 0.3199, 0.3352



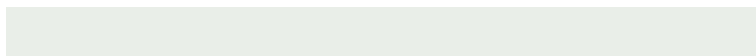
81.8908, 0.3059, 0.3289

Complementary

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



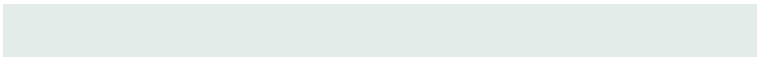
81.8908, 0.3123, 0.3229



84.3081, 0.3131, 0.3351

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.



81.8908, 0.3090, 0.3326



81.8908, 0.3123, 0.3229



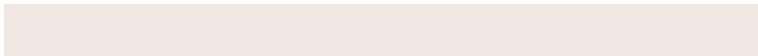
81.8908, 0.3171, 0.3362

Square

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



81.8908, 0.3123, 0.3229



81.8908, 0.3208, 0.3326



81.8908, 0.3131, 0.3352



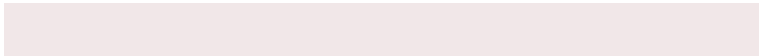
81.8908, 0.3047, 0.3254

Rectangle

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



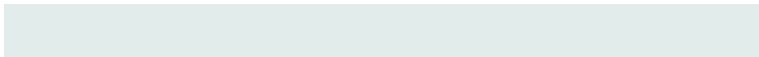
81.8908, 0.3123, 0.3229



81.8908, 0.3187, 0.3278



81.8908, 0.3131, 0.3352



81.8908, 0.3068, 0.3302

Sweetspot

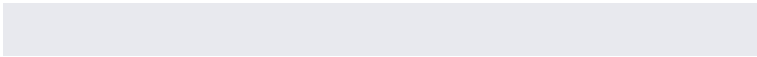
The Sweet Spot groups the original color and five complimentary colors.



81.8943, 0.3123, 0.3229



98.2997, 0.3126, 0.3266



81.6753, 0.3089, 0.3240



21.0581, 0.3126, 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.



81.8943, 0.3123, 0.3229



94.9642, 0.3122, 0.3217



81.9631, 0.3142, 0.3248



17.5497, 0.3121, 0.3198



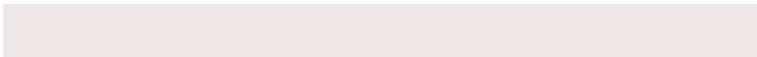
10.0860, 0.2773, 0.1301



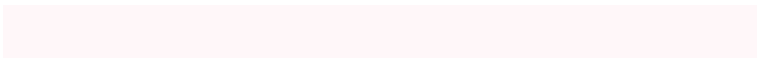
0.8752, 0.2833, 0.1334

Inverse Universe

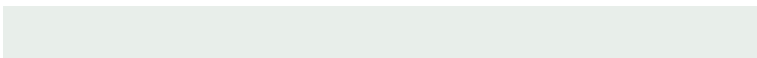
The Inverse Universe completely reimagines the original color for something new.



81.7876, 0.3161, 0.3279



94.8155, 0.3168, 0.3277



84.2416, 0.3113, 0.3332



17.5150, 0.3179, 0.3274



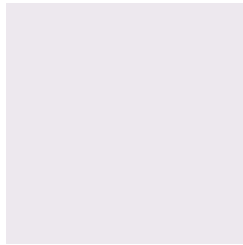
10.2450, 0.6139, 0.3156



0.8650, 0.5801, 0.2969

Previews

White Background



This preview shows how the Yxy color 81.8908, 0.3123, 0.3229 looks on a white background.

Color Contrast Check

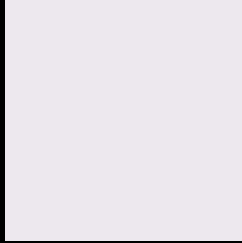
Large Text (above 18pt) WCAG AA × Fail

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 81.8908, 0.3123, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

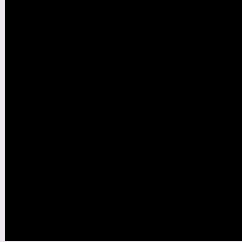
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

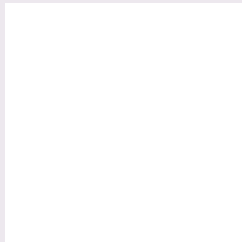
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8908, 0.3123, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 81.8908, 0.3123, 0.3229.

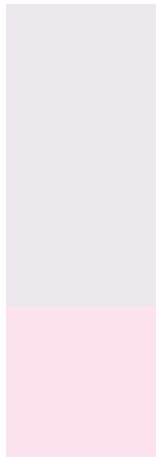


This preview shows how white text looks on a background with the Yxy color 81.8908, 0.3123, 0.3229.

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

81.8908, 0.3123, 0.3229

Protanopia

81.7191, 0.3117, 0.3229

Deuteranopia

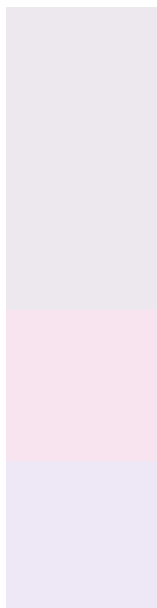
81.5074, 0.3231, 0.3162



Tritanopia

81.7839, 0.3069, 0.3099

Trichromacy



Original Color

81.8908, 0.3123, 0.3229

Protanomaly

81.7191, 0.3117, 0.3229

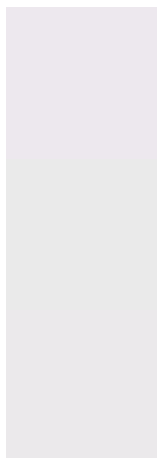
Deuteranomaly

81.4930, 0.3187, 0.3180

Tritanomaly

81.9215, 0.3087, 0.3148

Monochromacy



Original Color

81.8908, 0.3123, 0.3229

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

81.9382, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8908, 0.3123, 0.3229 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, 232, 238)` looks like.

```
.text, #text, p{  
    color:rgb(237, 232, 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(237, 232, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 232, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.8908, 0.3123, 0.3229 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, 232, 238) }
```

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

```
.border{ border-color:rgb(237, 232, 238) }
```

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

Here you see how a box with a 4 pixel rgb(237, 232, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 232, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 232, 238);  
box-shadow:4px 4px 4px 4px rgb(237, 232,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8908, 0.3123, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 232, 238) }
```

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

```
.background{ background-color: rgb(237,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor