

Converting Colors

$Yxy(80.2656, 0.3111, 0.3217)$

Have a look what the booklet for
Yxy(80.2656, 0.3111, 0.3217)
contains.

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Color

Yxy(80.2005, 0.3110, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	EAE6ED
RGB	234, 230, 237
RGB Percent	92%, 90%, 93%
CMY	0.0824, 0.0980, 0.0706
CMYK	0.01, 0.03, 0.00, 0.07
HSL	274°, 16%, 92%
HSV	274°, 3%, 93%
XYZ	77.5089, 80.2005, 91.5153
YIQ	231.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

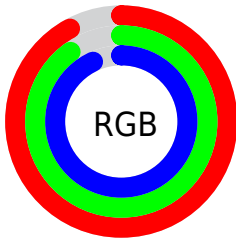
Format	Color
RYB	234, 230, 237
Decimal	15394541
CIELab	91.77, 2.59, -2.93
CIELCh	92, 3.906, 311.482
Yxy	80.2005, 0.3110, 0.3218
Android (android.graphics.Color)	4293584621 (0xFFEAE6ED)
YUV	231.9940, 2.4680, 1.7593
Hunter-Lab	89.5547, -2.2305, 2.1003

Details

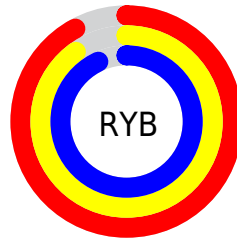
The Yxy color **80.2005, 0.3110, 0.3218** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.6123, 0.3144, 0.3362**, and the grayscale version is **80.6725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4611, 0.3105, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **66.2117, 0.3045, 0.2961**, and if you desaturate by 10%, it is **96.0899, 0.3165, 0.3455**.

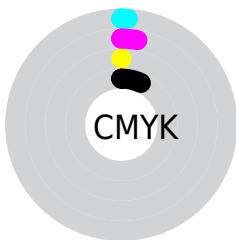
Distribution



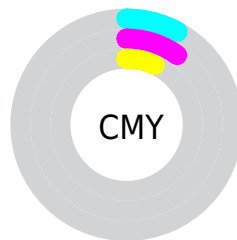
- Red (92%)
- Green (90%)
- Blue (93%)



- Red (92%)
- Yellow (90%)
- Blue (93%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)





- Cyan (8%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2005, 0.3110, 0.3218 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 80.2005, 0.3110, 0.3218 by changing the saturation by 10% instead.

 80.2005, 0.3110,
0.3218

 80.2005, 0.3110,
0.3218


495.6083, 0.3118,
0.3251

 59.8834, 0.3108,
0.3211


133.6476, 0.3113,
0.3229

 43.3246, 0.3106,
0.3202


167.5463, 0.3114,
0.3234

 30.1399, 0.3103,
0.3190


206.7410, 0.3115,
0.3237

 19.9448, 0.3100,
0.3176

251.6162, 0.3116,
0.3241

 12.3549, 0.3095,
0.3157

302.5560, 0.3116,
0.3244

 6.9859, 0.3088,
0.3129

359.9451, 0.3117,

 3.4533, 0.3077,

0.3246

0.3088

424.1677, 0.3117,
0.3249

■ 1.3727, 0.3058,
0.3017

■ 0.1965, 0.2889,
0.2272

■ 80.2005, 0.3110,
0.3218

■ 80.2005, 0.3110,
0.3218

■ 66.2117, 0.3045,
0.2961

■ 96.0899, 0.3165,
0.3455

■ 54.0396, 0.2969,
0.2686

■ 98.7957, 0.3229,
0.3464

■ 43.6093, 0.2881,
0.2399

■ 98.8945, 0.3232,
0.3464

■ 34.8364, 0.2782,
0.2108

■ 27.6296, 0.2674,
0.1824

■ 21.8881, 0.2559,
0.1561

■ 17.4993, 0.2441,
0.1332

■ 14.3334, 0.2326,
0.1149

■ 12.2334, 0.2218,
0.1020

Harmonies

Analogous

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



80.2005, 0.3069, 0.3213



80.2005, 0.3110, 0.3218



80.2005, 0.3156, 0.3242

Triad

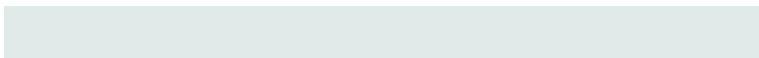
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2005, 0.3110, 0.3218



80.2005, 0.3212, 0.3352



80.2005, 0.3060, 0.3301

Complementary

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



80.2005, 0.3110, 0.3218



83.6123, 0.3144, 0.3362

Split Complementary

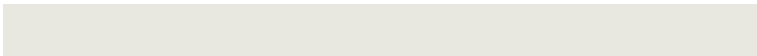
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2005, 0.3098, 0.3339



80.2005, 0.3110, 0.3218



80.2005, 0.3186, 0.3369

Square

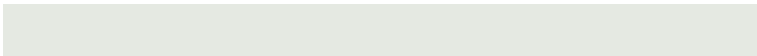
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



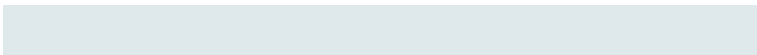
80.2005, 0.3110, 0.3218



80.2005, 0.3215, 0.3319



80.2005, 0.3144, 0.3364



80.2005, 0.3040, 0.3260

Rectangle

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



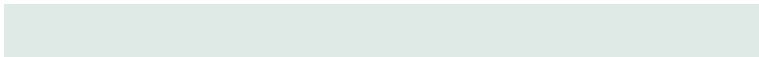
80.2005, 0.3110, 0.3218



80.2005, 0.3183, 0.3266



80.2005, 0.3144, 0.3364



80.2005, 0.3071, 0.3314

Sweetspot

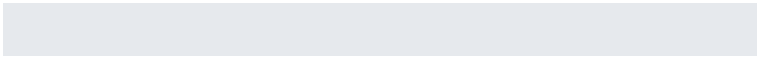
The Sweet Spot groups the original color and five complimentary colors.



80.2039, 0.3110, 0.3218



98.1752, 0.3121, 0.3266



81.2405, 0.3082, 0.3249



21.0328, 0.3122, 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.



80.2039, 0.3110, 0.3218



92.8368, 0.3104, 0.3192



80.6926, 0.3133, 0.3223



16.3843, 0.3099, 0.3174



6.2070, 0.2163, 0.0965



0.5441, 0.2302, 0.1042

Inverse Universe

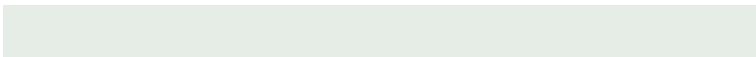
The Inverse Universe completely reimagines the original color for something new.



80.4905, 0.3156, 0.3259



93.2966, 0.3166, 0.3248



83.1341, 0.3121, 0.3358



16.4810, 0.3174, 0.3240



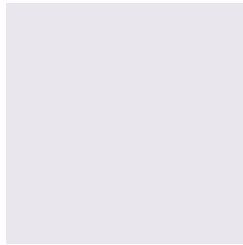
10.3842, 0.5241, 0.2661



0.8344, 0.4891, 0.2468

Previews

White Background



This preview shows how the Yxy color 80.2005, 0.3110, 0.3218 looks on a white background.

Color Contrast Check

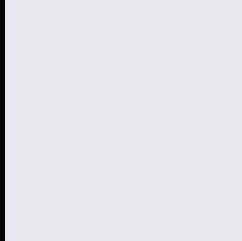
Large Text (above 18pt) WCAG AA × Fail

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 80.2005, 0.3110, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

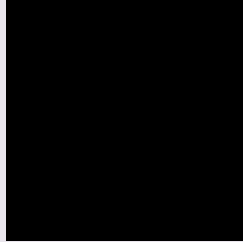
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

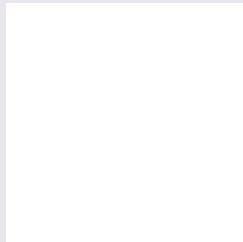
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2005, 0.3110, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 80.2005, 0.3110, 0.3218.

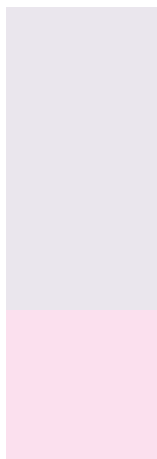


This preview shows how white text looks on a background with the Yxy color 80.2005, 0.3110, 0.3218.

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

80.2005, 0.3110, 0.3218

Protanopia

80.2005, 0.3110, 0.3218

Deuteranopia

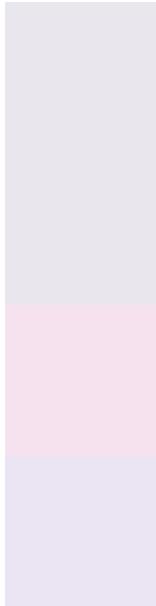
79.9936, 0.3225, 0.3151



Tritanopia

80.4162, 0.3055, 0.3107

Trichromacy



Original Color

80.2005, 0.3110, 0.3218

Protanomaly

80.2005, 0.3110, 0.3218

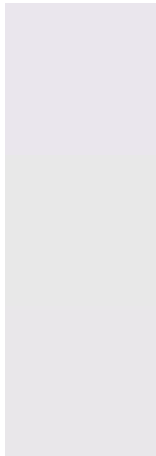
Deuteranomaly

79.9782, 0.3181, 0.3169

Tritanomaly

80.1719, 0.3080, 0.3147

Monochromacy



Original Color

80.2005, 0.3110, 0.3218

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4160, 0.3122, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2005, 0.3110, 0.3218 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(234, 230, 237)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 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(234, 230, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.2005, 0.3110, 0.3218 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(234, 230, 237) }
```

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

```
.border{ border-color:rgb(234, 230, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 230, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 237);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2005, 0.3110, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 237) }
```

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

```
.background{ background-color: rgb(234,  
230, 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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