

Converting Colors

Yxy(78.4833, 0.3085, 0.3213)

Have a look what the booklet for
Yxy(78.4833, 0.3085, 0.3213)
contains.

Yxy(78.2009, 0.3083, 0.3206)	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(78.2009, 0.3083, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	E5E4EC
RGB	229, 228, 236
RGB Percent	90%, 89%, 93%
CMY	0.1020, 0.1059, 0.0743
CMYK	0.03, 0.03, 0.00, 0.07
HSL	247°, 17%, 91%
HSV	247°, 3%, 93%
XYZ	75.2007, 78.2009, 90.5189
YIQ	229.2110, -1.9720, 2.7000

Conversions

Conversions Part 2

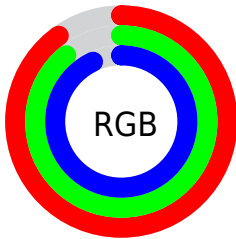
Format	Color
R_{YB}	229, 228, 236
Decimal	15066348
CIE Lab	90.87, 1.80, -3.80
CIE LCh	91, 4.200, 295.329
Yxy	78.2009, 0.3083, 0.3206
Android (android.graphics.Color)	4293256428 (0xFFE5E4EC)
YUV	229.2110, 3.3470, -0.1850
Hunter-Lab	88.4313, -2.9609, 1.2122

Details

The Yxy color **78.2009, 0.3083, 0.3206** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **83.2871, 0.3171, 0.3373**, and the grayscale version is **78.4972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1811, 0.3079, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **62.8896, 0.2940, 0.2938**, and if you desaturate by 10%, it is **95.6971, 0.3207, 0.3442**.

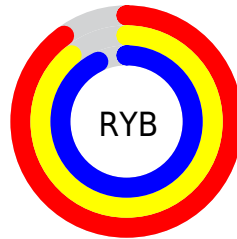
Distribution



Red (90%)

Green (89%)

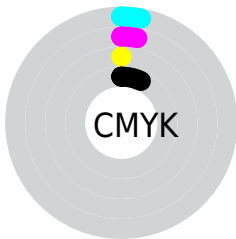
Blue (93%)



Red (90%)

Yellow (89%)

Blue (93%)

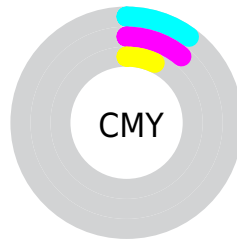


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (10%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2009, 0.3083, 0.3206 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 78.2009, 0.3083, 0.3206 by changing the saturation by 10% instead.

■ 78.2009, 0.3083,
0.3206

■ 78.2009, 0.3083,
0.3206

488.8488, 0.3103,
0.3244

■ 58.2390, 0.3078,
0.3197

130.8333, 0.3090,
0.3219

■ 42.0008, 0.3073,
0.3187

164.2726, 0.3093,
0.3224

■ 29.1020, 0.3066,
0.3173

202.9732, 0.3095,
0.3229

■ 19.1580, 0.3056,
0.3156

247.3194, 0.3097,
0.3233

■ 11.7845, 0.3044,
0.3133

297.6957, 0.3099,
0.3236

■ 6.5971, 0.3026,
0.3100

354.4864, 0.3101,

■ 3.2114, 0.2998,

0.3239

0.3050

418.0760, 0.3102,
0.3242

■ 1.2431, 0.2950,
0.2964

■ 0.0965, 0.2250,
0.1601

■ 78.2009, 0.3083,
0.3206

■ 78.2009, 0.3083,
0.3206

■ 62.8896, 0.2940,
0.2938

■ 95.6971, 0.3207,
0.3442

■ 49.6677, 0.2778,
0.2640

■ 98.8386, 0.3238,
0.3473

■ 38.4473, 0.2598,
0.2314

■ 29.1305, 0.2403,
0.1971

■ 21.6111, 0.2202,
0.1626

■ 15.7725, 0.2006,
0.1301

■ 11.4840, 0.1829,
0.1020

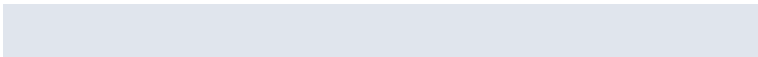
■ 8.5957, 0.1684,
0.0806

■ 6.9272, 0.1582,
0.0672

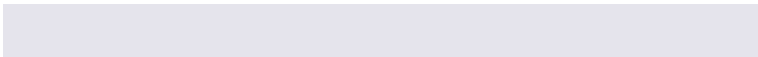
Harmonies

Analogous

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



78.2009, 0.3046, 0.3212



78.2009, 0.3083, 0.3206



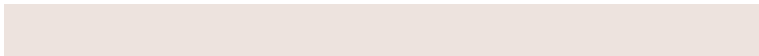
78.2009, 0.3132, 0.3222

Triad

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



78.2009, 0.3083, 0.3206



78.2009, 0.3224, 0.3340



78.2009, 0.3075, 0.3325

Complementary

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



78.2009, 0.3083, 0.3206



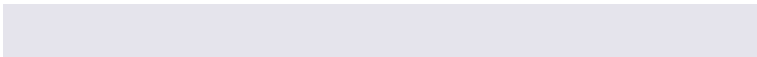
83.2871, 0.3171, 0.3373

Split Complementary

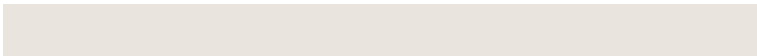
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2009, 0.3122, 0.3360



78.2009, 0.3083, 0.3206



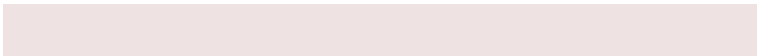
78.2009, 0.3209, 0.3368

Square

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



78.2009, 0.3083, 0.3206



78.2009, 0.3214, 0.3299



78.2009, 0.3171, 0.3376



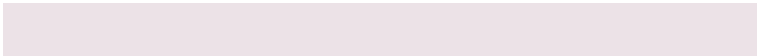
78.2009, 0.3042, 0.3281

Rectangle

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



78.2009, 0.3083, 0.3206



78.2009, 0.3165, 0.3243



78.2009, 0.3171, 0.3376



78.2009, 0.3090, 0.3338

Sweetspot

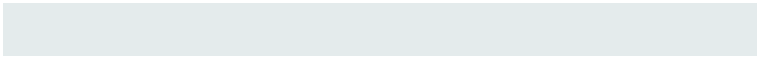
The Sweet Spot groups the original color and five complimentary colors.



78.2042, 0.3083, 0.3206



97.9625, 0.3114, 0.3266



82.0294, 0.3074, 0.3280



20.9895, 0.3115, 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.



78.2042, 0.3083, 0.3206



92.0081, 0.3075, 0.3191



78.8635, 0.3110, 0.3207



16.2108, 0.3065, 0.3172



3.5137, 0.1547, 0.0626



0.3049, 0.1641, 0.0678

Inverse Universe

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



79.3290, 0.3137, 0.3218



93.5828, 0.3139, 0.3204



82.6199, 0.3144, 0.3374



16.5411, 0.3142, 0.3189



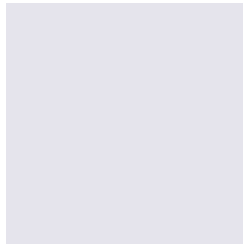
12.3201, 0.3548, 0.1728



0.9764, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 78.2009, 0.3083, 0.3206 looks on a white background.

Color Contrast Check

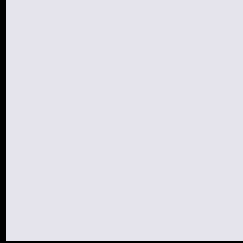
Large Text (above 18pt) WCAG AA × Fail

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 78.2009, 0.3083, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

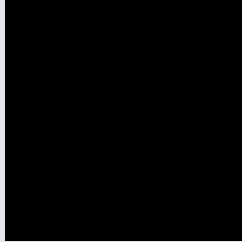
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

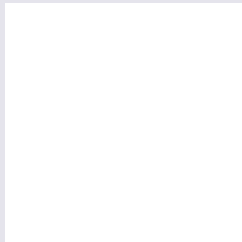
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2009, 0.3083, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 78.2009, 0.3083, 0.3206.

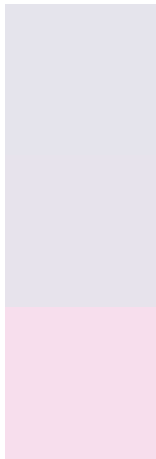


This preview shows how white text looks on a background with the Yxy color 78.2009, 0.3083, 0.3206.

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

78.2009, 0.3083, 0.3206

Protanopia

77.9832, 0.3097, 0.3196

Deuteranopia

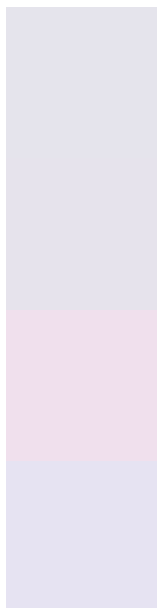
78.1311, 0.3205, 0.3139



Tritanopia

78.3537, 0.3034, 0.3104

Trichromacy



Original Color

78.2009, 0.3083, 0.3206

Protanomaly

77.8173, 0.3090, 0.3196

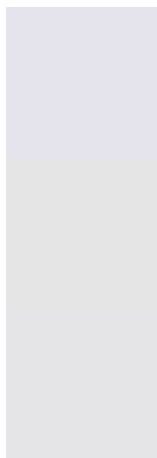
Deuteranomaly

77.9510, 0.3154, 0.3157

Tritanomaly

78.1720, 0.3053, 0.3135

Monochromacy



Original Color

78.2009, 0.3083, 0.3206

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5228, 0.3108, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2009, 0.3083, 0.3206 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(229, 228, 236) looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 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(229, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.2009, 0.3083, 0.3206 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(229, 228, 236) }
```

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

```
.border{ border-color:rgb(229, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2009, 0.3083, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 236) }
```

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

```
.background{ background-color: rgb(229,  
228, 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](#).

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