

Converting Colors

$Y_{xy}(78.3322, 0.3100, 0.3197)$

Have a look what the booklet for
Yxy(78.3322, 0.3100, 0.3197)
contains.

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Color

Yxy(78.1501, 0.3104, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	E8E3EC
RGB	232, 227, 236
RGB Percent	91%, 89%, 93%
CMY	0.0903, 0.1097, 0.0746
CMYK	0.02, 0.04, 0.00, 0.07
HSL	273°, 19%, 91%
HSV	273°, 4%, 93%
XYZ	75.8767, 78.1501, 90.4214
YIQ	229.5210, 0.0910, 3.8590

Conversions

Conversions Part 2

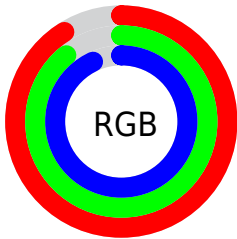
Format	Color
R _Y B	232, 227, 236
Decimal	15262700
CIE Lab	90.85, 3.28, -3.77
CIE LCh	91, 4.995, 311.021
Yxy	78.1501, 0.3104, 0.3197
Android (android.graphics.Color)	4293452780 (0xFFE8E3EC)
YUV	229.5210, 3.1941, 2.1741
Hunter-Lab	88.4025, -1.4962, 1.2378

Details

The Yxy color **78.1501, 0.3104, 0.3197** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.5163, 0.3150, 0.3383**, and the grayscale version is **78.7323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.0304, 0.3097, 0.3183** is the 20% darker color. If you saturate the color by 10%, you get **64.4024, 0.3035, 0.2938**, and if you desaturate by 10%, it is **93.7797, 0.3162, 0.3435**.

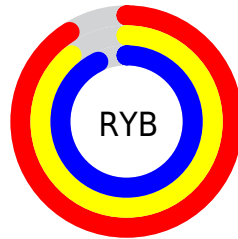
Distribution



Red (91%)

Green (89%)

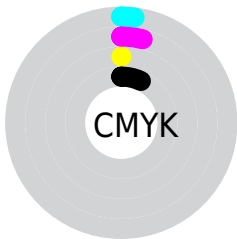
Blue (93%)



Red (91%)

Yellow (89%)

Blue (93%)

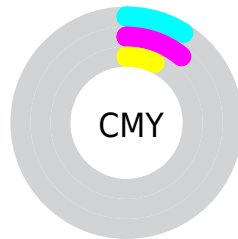


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1501, 0.3104, 0.3197 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 78.1501, 0.3104, 0.3197 by changing the saturation by 10% instead.

■ 78.1501, 0.3104,
0.3197

■ 78.1501, 0.3104,
0.3197

488.6764, 0.3115,
0.3239

■ 58.1973, 0.3102,
0.3187

130.7617, 0.3108,
0.3212

■ 41.9673, 0.3099,
0.3176

164.1893, 0.3109,
0.3217

■ 29.0757, 0.3095,
0.3161

202.8772, 0.3110,
0.3222

■ 19.1381, 0.3090,
0.3142

247.2099, 0.3112,
0.3226

■ 11.7701, 0.3083,
0.3117

297.5718, 0.3112,
0.3230

■ 6.5873, 0.3073,
0.3081

354.3473, 0.3113,

■ 3.2054, 0.3058,

0.3234

0.3026

417.9207, 0.3114,
0.3237

■ 1.2399, 0.3030,
0.2932

■ 0.0939, 0.2692,
0.1493

■ 78.1501, 0.3104,
0.3197

■ 78.1501, 0.3104,
0.3197

■ 64.4024, 0.3035,
0.2938

■ 93.7797, 0.3162,
0.3435

■ 52.4532, 0.2955,
0.2661

■ 98.4728, 0.3226,
0.3474

■ 42.2277, 0.2863,
0.2372

■ 98.8346, 0.3238,
0.3474

■ 33.6417, 0.2760,
0.2080

■ 26.6039, 0.2647,
0.1795

■ 21.0136, 0.2528,
0.1531

■ 16.7579, 0.2407,
0.1302

■ 13.7063, 0.2289,
0.1122

■ 11.7004, 0.2179,
0.0995

Harmonies

Analogous

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



78.1501, 0.3051, 0.3190



78.1501, 0.3104, 0.3197



78.1501, 0.3163, 0.3228

Triad

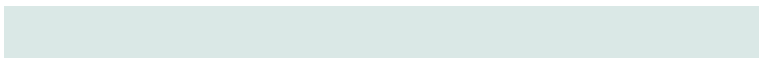
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1501, 0.3104, 0.3197



78.1501, 0.3237, 0.3370



78.1501, 0.3041, 0.3304

Complementary

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



78.1501, 0.3104, 0.3197



82.5163, 0.3150, 0.3383

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.



78.1501, 0.3090, 0.3354



78.1501, 0.3104, 0.3197



78.1501, 0.3203, 0.3391

Square

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



78.1501, 0.3104, 0.3197



78.1501, 0.3240, 0.3327



78.1501, 0.3150, 0.3386



78.1501, 0.3015, 0.3252

Rectangle

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



78.1501, 0.3104, 0.3197



78.1501, 0.3199, 0.3258



78.1501, 0.3150, 0.3386



78.1501, 0.3056, 0.3322

Sweetspot

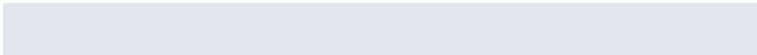
The Sweet Spot groups the original color and five complimentary colors.



78.1535, 0.3104, 0.3197



98.1680, 0.3121, 0.3266



79.5677, 0.3069, 0.3238



21.0313, 0.3121, 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.



78.1535, 0.3104, 0.3197



91.0673, 0.3096, 0.3166



78.8055, 0.3134, 0.3202



16.0875, 0.3092, 0.3150



6.0503, 0.2131, 0.0948



0.5320, 0.2273, 0.1026

Inverse Universe

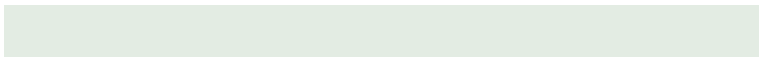
The Inverse Universe completely reimagines the original color for something new.



78.5479, 0.3163, 0.3249



91.6877, 0.3176, 0.3235



81.8819, 0.3120, 0.3379



16.2127, 0.3182, 0.3228



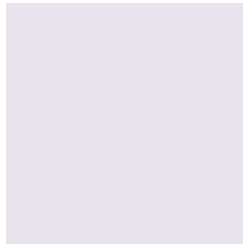
10.4239, 0.5178, 0.2626



0.8376, 0.4837, 0.2438

Previews

White Background



This preview shows how the Yxy color 78.1501, 0.3104, 0.3197 looks on a white background.

Color Contrast Check

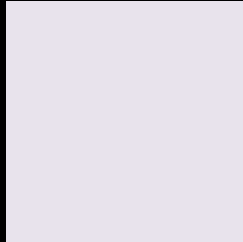
Large Text (above 18pt) WCAG AA × Fail

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 78.1501, 0.3104, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

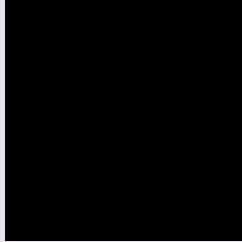
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

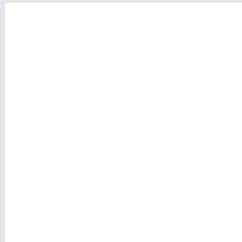
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1501, 0.3104, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 78.1501, 0.3104, 0.3197.

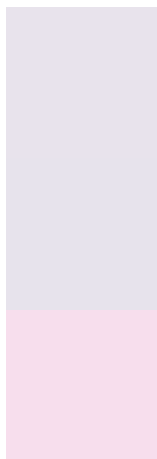


This preview shows how white text looks on a background with the Yxy color 78.1501, 0.3104, 0.3197.

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

78.1501, 0.3104, 0.3197

Protanopia

77.9832, 0.3097, 0.3196

Deuteranopia

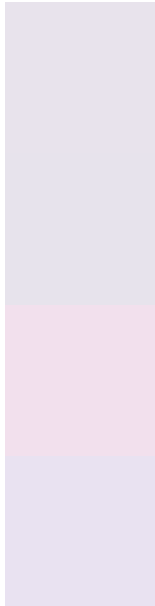
78.1311, 0.3205, 0.3139



Tritanopia

78.2480, 0.3061, 0.3105

Trichromacy



Original Color

78.1501, 0.3104, 0.3197

Protanomaly

77.9832, 0.3097, 0.3196

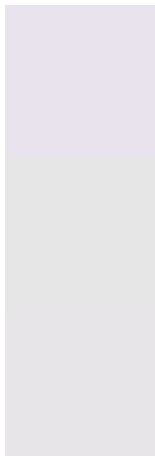
Deuteranomaly

78.3030, 0.3168, 0.3158

Tritanomaly

78.0672, 0.3080, 0.3135

Monochromacy



Original Color

78.1501, 0.3104, 0.3197

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

78.8537, 0.3122, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1501, 0.3104, 0.3197 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(232, 227, 236)` looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 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(232, 227, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.1501, 0.3104, 0.3197 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(232, 227, 236) }
```

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

```
.border{ border-color:rgb(232, 227, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 236);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1501, 0.3104, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 236) }
```

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

```
.background{ background-color: rgb(232,  
227, 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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