

Converting Colors

$Y_{xy}(78.9641, 0.3134, 0.3171)$

Have a look what the booklet for
Yxy(78.9641, 0.3134, 0.3171)
contains.

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Color

Yxy(78.7429, 0.3133, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2EE
RGB	238, 226, 238
RGB Percent	93%, 89%, 93%
CMY	0.0666, 0.1137, 0.0666
CMYK	0.00, 0.05, 0.00, 0.07
HSL	300°, 26%, 91%
HSV	300°, 5%, 93%
XYZ	77.8975, 78.7429, 91.9952
YIQ	230.9560, 3.3000, 6.2760

Conversions

Conversions Part 2

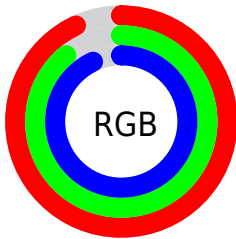
Format	Color
R _Y B	238, 226, 238
Decimal	15655662
CIE Lab	91.12, 6.20, -4.39
CIE LCh	91, 7.594, 324.703
Yxy	78.7429, 0.3133, 0.3167
Android (android.graphics.Color)	4293845742 (0xFFEEE2EE)
YUV	230.9560, 3.4727, 6.1776
Hunter-Lab	88.7372, 1.4053, 0.6492

Details

The Yxy color **78.7429, 0.3133, 0.3167** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.8249, 0.3121, 0.3416**, and the grayscale version is **79.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4483, 0.3134, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **66.6864, 0.3145, 0.2918**, and if you desaturate by 10%, it is **92.6031, 0.3122, 0.3408**.

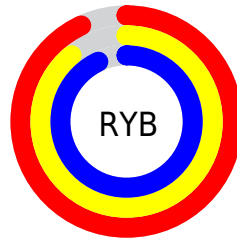
Distribution



Red (93%)

Green (89%)

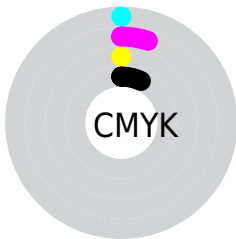
Blue (93%)



Red (93%)

Yellow (89%)

Blue (93%)

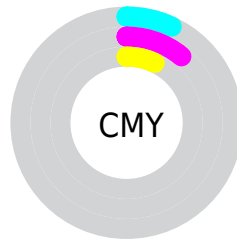


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (7%)


Magenta (11%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7429, 0.3133, 0.3167 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 78.7429, 0.3133, 0.3167 by changing the saturation by 10% instead.


 78.7429, 0.3133,
0.3167

 78.7429, 0.3133,
0.3167

490.6862, 0.3131,
0.3223

 58.6844, 0.3133,
0.3155


131.5969, 0.3132,
0.3186

 42.3592, 0.3134,
0.3139


165.1611, 0.3132,
0.3194

 29.3826, 0.3135,
0.3120


203.9962, 0.3132,
0.3200

 19.3705, 0.3136,
0.3096

248.4863, 0.3131,
0.3206

 11.9383, 0.3136,
0.3063

299.0160, 0.3131,
0.3211

 6.7017, 0.3138,
0.3016

355.9696, 0.3131,

 3.2762, 0.3139,

0.3215

0.2947

419.7315, 0.3131,
0.3219

■ 1.2776, 0.3140,
0.2829

■ 0.1238, 0.3224,
0.1483

■ 78.7429, 0.3133,
0.3167

■ 78.7429, 0.3133,
0.3167

■ 66.6864, 0.3145,
0.2918

■ 92.6031, 0.3122,
0.3408

■ 56.3499, 0.3157,
0.2667


■ 95.8785, 0.3119,
0.3458

■ 47.6580, 0.3168,
0.2422


■ 95.8797, 0.3119,
0.3458


■ 40.5261, 0.3180,
0.2192


■ 95.8808, 0.3119,
0.3458


 34.8618, 0.3189,
0.1987


 95.8820, 0.3119,
0.3458


 30.5630, 0.3198,
0.1817


 95.8832, 0.3119,
0.3458

 27.5147, 0.3204,
0.1687

 95.8843, 0.3119,
0.3457

 25.5829, 0.3208,
0.1600

 95.8855, 0.3118,
0.3457

 24.6031, 0.3211,
0.1555

 95.8867, 0.3118,
0.3457

Harmonies

Analogous

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



78.7429, 0.3046, 0.3139



78.7429, 0.3133, 0.3167



78.7429, 0.3220, 0.3227

Triad

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



78.7429, 0.3133, 0.3167



78.7429, 0.3275, 0.3430



78.7429, 0.2974, 0.3274

Complementary

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



78.7429, 0.3133, 0.3167



82.8249, 0.3121, 0.3416

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.



78.7429, 0.3034, 0.3355



78.7429, 0.3133, 0.3167



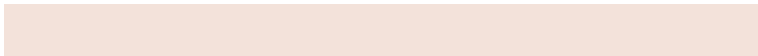
78.7429, 0.3208, 0.3446

Square

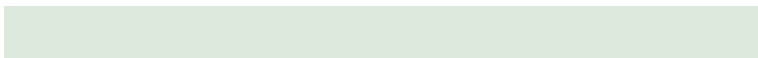
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7429, 0.3133, 0.3167



78.7429, 0.3303, 0.3378



78.7429, 0.3120, 0.3418



78.7429, 0.2955, 0.3199

Rectangle

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



78.7429, 0.3133, 0.3167



78.7429, 0.3266, 0.3277



78.7429, 0.3120, 0.3418



78.7429, 0.2990, 0.3301

Sweetspot

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



78.7463, 0.3133, 0.3167



96.7888, 0.3129, 0.3241



76.7328, 0.3051, 0.3164



20.7504, 0.3129, 0.3244



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.



78.7463, 0.3133, 0.3167



90.6229, 0.3134, 0.3143



78.3990, 0.3172, 0.3228



16.8042, 0.3135, 0.3128



13.5786, 0.3211, 0.1543



1.1297, 0.3211, 0.1543

Inverse Universe

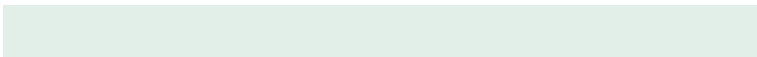
The Inverse Universe completely reimagines the original color for something new.



78.7463, 0.3133, 0.3167



90.6229, 0.3134, 0.3143



83.1605, 0.3085, 0.3353



16.8042, 0.3135, 0.3128



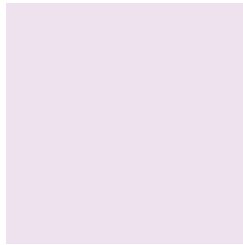
13.5786, 0.3211, 0.1543



1.1297, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 78.7429, 0.3133, 0.3167 looks on a white background.

Color Contrast Check

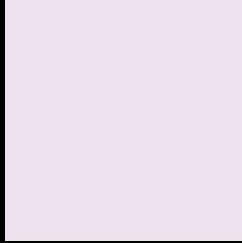
Large Text (above 18pt) WCAG AA × Fail

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 78.7429, 0.3133, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

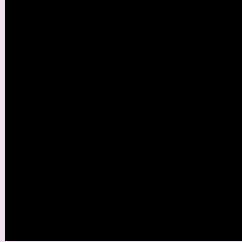
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

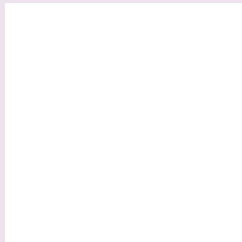
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.7429, 0.3133, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 78.7429, 0.3133, 0.3167.

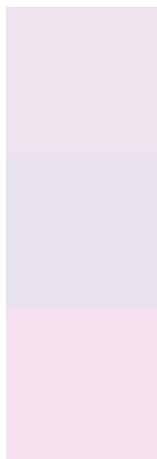


This preview shows how white text looks on a background with the Yxy color 78.7429, 0.3133, 0.3167.

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

78.7429, 0.3133, 0.3167

Protanopia

78.7077, 0.3078, 0.3176

Deuteranopia

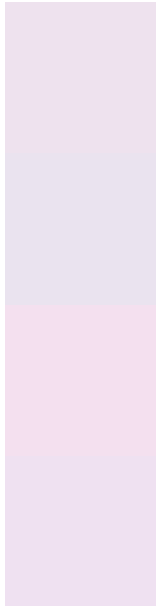
78.9638, 0.3198, 0.3130



Tritanopia

78.6722, 0.3108, 0.3107

Trichromacy



Original Color

78.7429, 0.3133, 0.3167

Protanomaly

78.6626, 0.3099, 0.3166

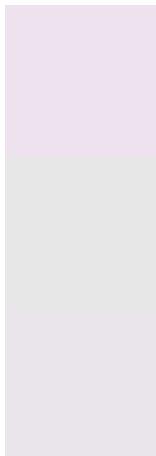
Deuteranomaly

78.7764, 0.3169, 0.3139

Tritanomaly

78.5520, 0.3121, 0.3127

Monochromacy



Original Color

78.7429, 0.3133, 0.3167

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

79.4716, 0.3130, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7429, 0.3133, 0.3167 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(238, 226, 238)` looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 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(238, 226, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 238) }
```

Border

The CSS property to change the border of an element to Yxy 78.7429, 0.3133, 0.3167 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(238, 226, 238) }
```

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

```
.border{ border-color:rgb(238, 226, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 226, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 226, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 226, 238);  
box-shadow:4px 4px 4px 4px rgb(238, 226,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7429, 0.3133, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 238) }
```

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

```
.background{ background-color: rgb(238,  
226, 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](#).

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