

Converting Colors

$Y_{xy}(78.5272, 0.3176, 0.3234)$

Have a look what the booklet for
Yxy(78.5272, 0.3176, 0.3234)
contains.

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Color

Yxy(78.3961, 0.3172, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2E8
RGB	238, 226, 232
RGB Percent	93%, 89%, 91%
CMY	0.0665, 0.1138, 0.0901
CMYK	0.00, 0.05, 0.03, 0.07
HSL	330°, 26%, 91%
HSV	330°, 5%, 93%
XYZ	77.0361, 78.3961, 87.4306
YIQ	230.2720, 5.2260, 4.4100

Conversions

Conversions Part 2

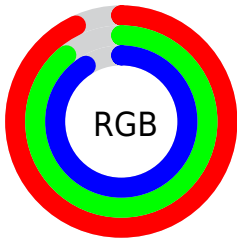
Format	Color
R _Y B	238, 226, 232
Decimal	15655656
CIE Lab	90.96, 5.15, -1.48
CIE LCh	91, 5.354, 343.962
Yxy	78.3961, 0.3172, 0.3228
Android (android.graphics.Color)	4293845736 (0xFFEEE2E8)
YUV	230.2720, 0.8519, 6.7775
Hunter-Lab	88.5416, 0.3571, 3.4330

Details

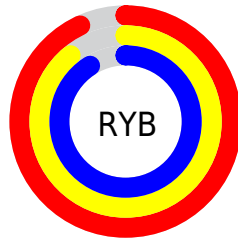
The Yxy color $78.3961, 0.3172, 0.3228$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83.1720, 0.3085, 0.3353$, and the grayscale version is $79.3404, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $42.2055, 0.3184, 0.3224$ is the 20% darker color. If you saturate the color by 10%, you get $65.6868, 0.3274, 0.3100$, and if you desaturate by 10%, it is $92.9552, 0.3088, 0.3348$.

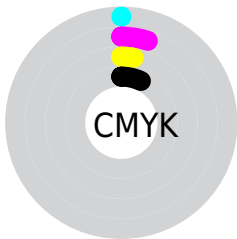
Distribution



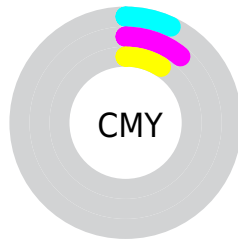
- Red (93%)
- Green (89%)
- Blue (91%)



- Red (93%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (7%)





- Cyan (7%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3961, 0.3172, 0.3228 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 78.3961, 0.3172, 0.3228 by changing the saturation by 10% instead.


 78.3961, 0.3172,
0.3228

 78.3961, 0.3172,
0.3228


489.5110, 0.3152,
0.3256

 58.3994, 0.3177,
0.3222

131.1083, 0.3165,
0.3238

 42.1298, 0.3182,
0.3214


164.5927, 0.3162,
0.3242

 29.2030, 0.3189,
0.3204


203.3417, 0.3160,
0.3245

 19.2344, 0.3198,
0.3191

247.7399, 0.3158,
0.3248

 11.8398, 0.3211,
0.3174

298.1715, 0.3156,
0.3250

 6.6347, 0.3228,
0.3150

355.0209, 0.3154,

 3.2347, 0.3255,

0.3252

0.3113

418.6726, 0.3153,
0.3254

■ 1.2555, 0.3301,
0.3050

■ 0.1063, 0.4105,
0.1925

■ 78.3961, 0.3172,
0.3228

■ 78.3961, 0.3172,
0.3228

■ 65.6868, 0.3274,
0.3100

■ 92.9552, 0.3088,
0.3348

■ 54.7426, 0.3397,
0.2967

■ 96.9257, 0.3024,
0.3290

■ 45.4872, 0.3544,
0.2832

■ 37.8351, 0.3717,
0.2702

■ 31.6927, 0.3917,
0.2585

■ 26.9570, 0.4141,
0.2493

■ 23.5118, 0.4384,
0.2439

■ 21.2220, 0.4633,
0.2434

■ 19.9218, 0.4876,
0.2484

Harmonies

Analogous

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



78.3961, 0.3109, 0.3193



78.3961, 0.3172, 0.3228



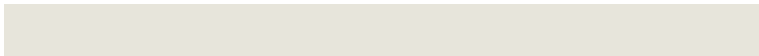
78.3961, 0.3224, 0.3280

Triad

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



78.3961, 0.3172, 0.3228



78.3961, 0.3204, 0.3399



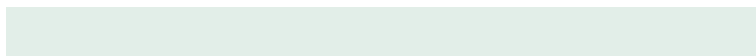
78.3961, 0.3006, 0.3244

Complementary

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



78.3961, 0.3172, 0.3228



83.1720, 0.3085, 0.3353

Split Complementary

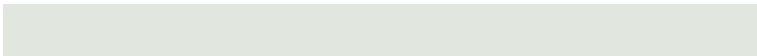
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3961, 0.3031, 0.3300



78.3961, 0.3172, 0.3228



78.3961, 0.3145, 0.3390

Square

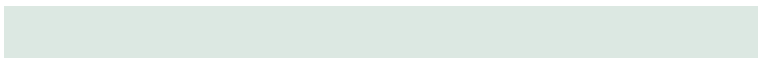
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



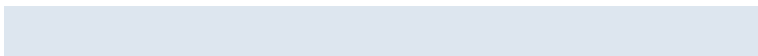
78.3961, 0.3172, 0.3228



78.3961, 0.3242, 0.3379



78.3961, 0.3082, 0.3354



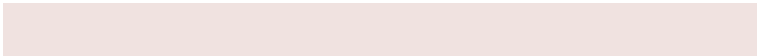
78.3961, 0.3013, 0.3201

Rectangle

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



78.3961, 0.3172, 0.3228



78.3961, 0.3245, 0.3317



78.3961, 0.3082, 0.3354



78.3961, 0.3011, 0.3262

Sweetspot

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



78.3995, 0.3172, 0.3228



96.6260, 0.3144, 0.3266



77.6876, 0.3090, 0.3165



20.7173, 0.3144, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

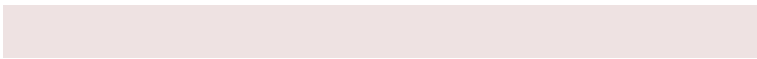
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3995, 0.3172, 0.3228



90.1409, 0.3181, 0.3216



78.0735, 0.3210, 0.3288



16.7050, 0.3187, 0.3208



10.9109, 0.4957, 0.2505



0.9278, 0.4665, 0.2344

Inverse Universe

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



78.3995, 0.3172, 0.3228



90.1409, 0.3181, 0.3216



83.5090, 0.3049, 0.3292



16.7050, 0.3187, 0.3208



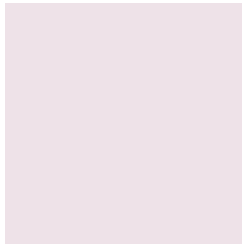
10.9109, 0.4957, 0.2505



0.9278, 0.4665, 0.2344

Previews

White Background



This preview shows how the Yxy color 78.3961, 0.3172, 0.3228 looks on a white background.

Color Contrast Check

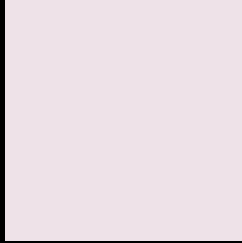
Large Text (above 18pt) WCAG AA × Fail

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 78.3961, 0.3172, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

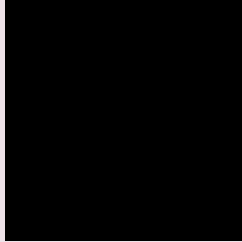
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

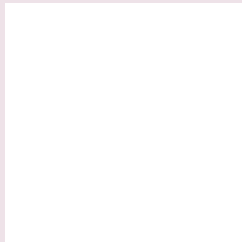
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3961, 0.3172, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 78.3961, 0.3172, 0.3228.

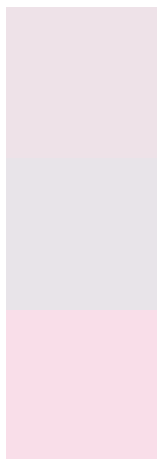


This preview shows how white text looks on a background with the Yxy color 78.3961, 0.3172, 0.3228.

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

78.3961, 0.3172, 0.3228

Protanopia

78.5258, 0.3123, 0.3238

Deuteranopia

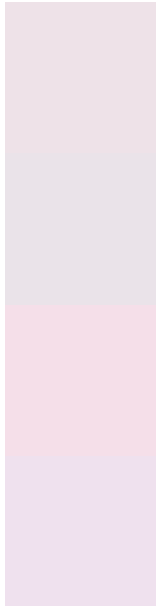
78.2655, 0.3246, 0.3180



Tritanopia

78.2474, 0.3122, 0.3107

Trichromacy



Original Color

78.3961, 0.3172, 0.3228

Protanomaly

78.3138, 0.3137, 0.3228

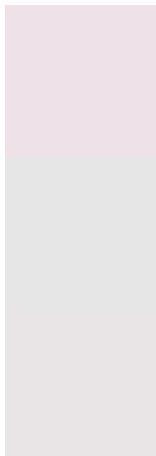
Deuteranomaly

78.0710, 0.3217, 0.3189

Tritanomaly

78.3742, 0.3140, 0.3157

Monochromacy



Original Color

78.3961, 0.3172, 0.3228

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1318, 0.3142, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3961, 0.3172, 0.3228 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 232) }
```

Border

The CSS property to change the border of an element to Yxy 78.3961, 0.3172, 0.3228 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, 232) }
```

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

```
.border{ border-color:rgb(238, 226, 232) }
```

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, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(238, 226,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3961, 0.3172, 0.3228 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, 232) }
```

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

```
.background{ background-color: rgb(238,  
226, 232) }
```

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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