

Converting Colors

$Y_{xy}(78.3322, 0.3158, 0.3226)$

Have a look what the booklet for
Yxy(78.3322, 0.3158, 0.3226)
contains.

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Color

Yxy(78.2804, 0.3158, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	EDE2E9
RGB	237, 226, 233
RGB Percent	93%, 89%, 91%
CMY	0.0707, 0.1137, 0.0862
CMYK	0.00, 0.05, 0.02, 0.07
HSL	322°, 23%, 91%
HSV	322°, 5%, 93%
XYZ	76.8209, 78.2804, 88.1567
YIQ	230.0870, 4.3090, 4.5090

Conversions

Conversions Part 2

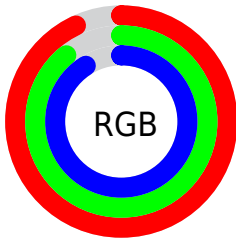
Format	Color
R _Y B	237, 226, 233
Decimal	15590121
CIE Lab	90.91, 4.94, -2.08
CIE LCh	91, 5.360, 337.128
Yxy	78.2804, 0.3158, 0.3218
Android (android.graphics.Color)	4293780201 (0xFFE2E9)
YUV	230.0870, 1.4361, 6.0627
Hunter-Lab	88.4762, 0.1520, 2.8575

Details

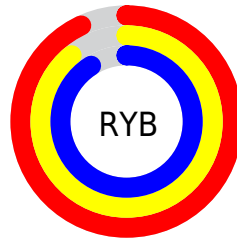
The Yxy color **78.2804, 0.3158, 0.3218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **82.4305, 0.3098, 0.3363**, and the grayscale version is **79.1842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1239, 0.3167, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **65.7959, 0.3234, 0.3056**, and if you desaturate by 10%, it is **92.5764, 0.3094, 0.3371**.

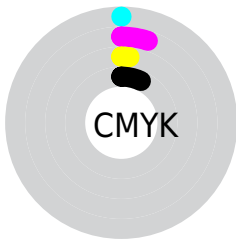
Distribution



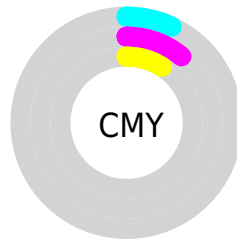
- Red (93%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (5%)
- Yellow (2%)
- Black (7%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2804, 0.3158, 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 78.2804, 0.3158, 0.3218 by changing the saturation by 10% instead.

 78.2804, 0.3158,
0.3218

 78.2804, 0.3158,
0.3218


489.1186, 0.3144,
0.3251

 58.3043, 0.3161,
0.3211


130.9453, 0.3153,
0.3229

 42.0534, 0.3165,
0.3202

164.4030, 0.3151,
0.3234

 29.1431, 0.3170,
0.3190


203.1233, 0.3150,
0.3238

 19.1891, 0.3176,
0.3176

247.4907, 0.3148,
0.3241

 11.8070, 0.3184,
0.3156

297.8895, 0.3147,
0.3244

 6.6124, 0.3196,
0.3128

354.7041, 0.3146,

 3.2209, 0.3214,

0.3246

0.3085

418.3190, 0.3145,
0.3249

■ 1.2481, 0.3245,
0.3013

■ 0.1005, 0.3780,
0.1758

■ 78.2804, 0.3158,
0.3218

■ 78.2804, 0.3158,
0.3218

■ 65.7959, 0.3234,
0.3056

■ 92.5764, 0.3094,
0.3371

■ 55.0398, 0.3324,
0.2888

■ 96.4288, 0.3044,
0.3338

■ 45.9377, 0.3429,
0.2720

■ 96.7383, 0.3017,
0.3290

■ 38.4055, 0.3551,
0.2556

■ 32.3519, 0.3687,
0.2408

■ 27.6763, 0.3838,
0.2285

■ 24.2649, 0.3998,
0.2200

■ 21.9861, 0.4161,
0.2163

■ 20.6784, 0.4322,
0.2177

Harmonies

Analogous

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



78.2804, 0.3094, 0.3188



78.2804, 0.3158, 0.3218



78.2804, 0.3214, 0.3267

Triad

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



78.2804, 0.3158, 0.3218



78.2804, 0.3215, 0.3397



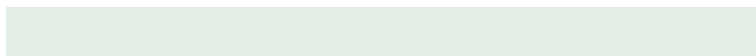
78.2804, 0.3009, 0.3256

Complementary

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



78.2804, 0.3158, 0.3218



82.4305, 0.3098, 0.3363

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.



78.2804, 0.3041, 0.3313



78.2804, 0.3158, 0.3218



78.2804, 0.3159, 0.3395

Square

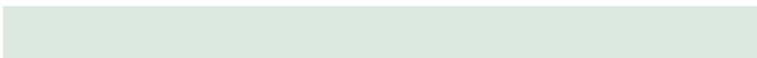
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



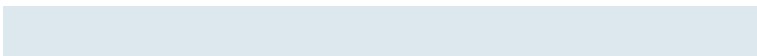
78.2804, 0.3158, 0.3218



78.2804, 0.3247, 0.3370



78.2804, 0.3096, 0.3364



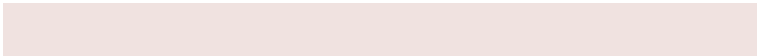
78.2804, 0.3009, 0.3209

Rectangle

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



78.2804, 0.3158, 0.3218



78.2804, 0.3239, 0.3304



78.2804, 0.3096, 0.3364



78.2804, 0.3017, 0.3274

Sweetspot

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



78.2838, 0.3158, 0.3218



98.3246, 0.3134, 0.3275



77.3120, 0.3084, 0.3176



21.0632, 0.3133, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

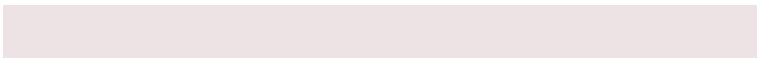
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2838, 0.3158, 0.3218



90.2727, 0.3168, 0.3196



77.9826, 0.3193, 0.3273



15.9815, 0.3172, 0.3186



11.0822, 0.4382, 0.2188



0.8885, 0.4177, 0.2074

Inverse Universe

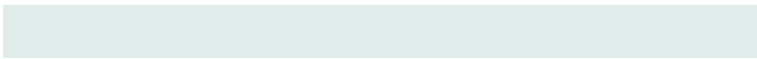
The Inverse Universe completely reimagines the original color for something new.



78.2838, 0.3158, 0.3218



90.2727, 0.3168, 0.3196



82.7357, 0.3065, 0.3307



15.9815, 0.3172, 0.3186



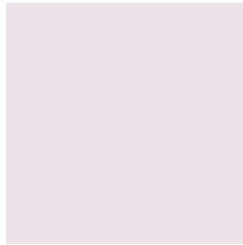
11.0822, 0.4382, 0.2188



0.8885, 0.4177, 0.2074

Previews

White Background



This preview shows how the Yxy color 78.2804, 0.3158, 0.3218 looks on a white background.

Color Contrast Check

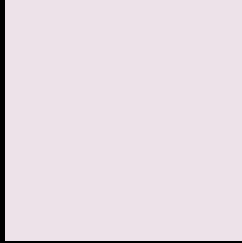
Large Text (above 18pt) WCAG AA × Fail

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 78.2804, 0.3158, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

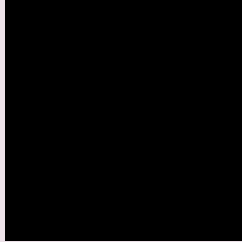
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

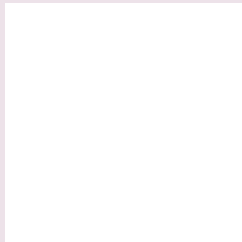
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2804, 0.3158, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 78.2804, 0.3158, 0.3218.

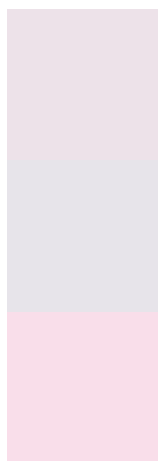


This preview shows how white text looks on a background with the Yxy color 78.2804, 0.3158, 0.3218.

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

78.2804, 0.3158, 0.3218

Protanopia

78.4162, 0.3110, 0.3228

Deuteranopia

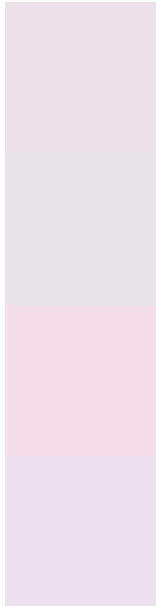
78.3228, 0.3239, 0.3170



Tritanopia

78.4384, 0.3108, 0.3117

Trichromacy



Original Color

78.2804, 0.3158, 0.3218

Protanomaly

78.2023, 0.3124, 0.3217

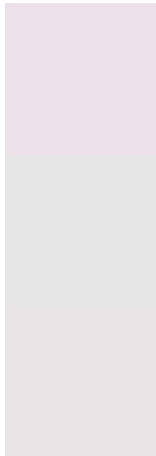
Deuteranomaly

78.1283, 0.3210, 0.3179

Tritanomaly

78.2596, 0.3127, 0.3147

Monochromacy



Original Color

78.2804, 0.3158, 0.3218

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 78.2804, 0.3158, 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(237, 226, 233)` looks like.

```
.text, #text, p{  
    color:rgb(237, 226, 233)  
}
```

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(237, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 78.2804, 0.3158, 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(237, 226, 233) }
```

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

```
.border{ border-color:rgb(237, 226, 233) }
```

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

Here you see how a box with a 4 pixel rgb(237, 226, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(237, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2804, 0.3158, 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(237, 226, 233) }
```

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

```
.background{ background-color: rgb(237,  
226, 233) }
```

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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