

Converting Colors

$Y_{xy}(77.3952, 0.3134, 0.3210)$

Have a look what the booklet for
Yxy(77.3952, 0.3134, 0.3210)
contains.

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Color

Yxy(77.2260, 0.3138, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	EAE1E9
RGB	234, 225, 233
RGB Percent	92%, 88%, 91%
CMY	0.0824, 0.1176, 0.0863
CMYK	0.00, 0.04, 0.00, 0.08
HSL	307°, 18%, 90%
HSV	307°, 4%, 92%
XYZ	75.5644, 77.2260, 88.0140
YIQ	228.6030, 2.7960, 4.3960

Conversions

Conversions Part 2

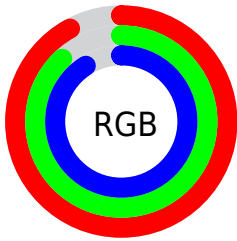
Format	Color
RYB	234, 225, 233
Decimal	15393257
CIELab	90.43, 4.46, -2.81
CIElCh	90, 5.276, 327.771
Yxy	77.2260, 0.3138, 0.3207
Android (android.graphics.Color)	4293583337 (0xFFEAE1E9)
YUV	228.6030, 2.1677, 4.7332
Hunter-Lab	87.8783, -0.2992, 2.1333

Details

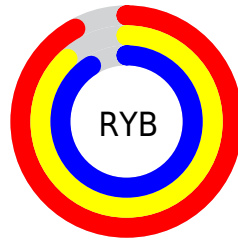
The Yxy color `77.2260, 0.3138, 0.3207` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.3454, 0.3116, 0.3374`, and the grayscale version is `78.0320, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.3888, 0.3141, 0.3196` is the 20% darker color. If you saturate the color by 10%, you get `65.2846, 0.3169, 0.2985`, and if you desaturate by 10%, it is `90.9100, 0.3111, 0.3420`.

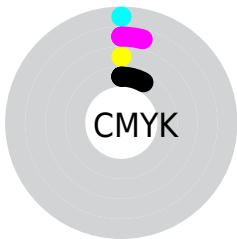
Distribution



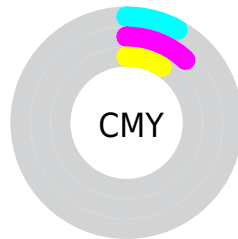
- Red (92%)
- Green (88%)
- Blue (91%)



- Red (92%)
- Yellow (88%)
- Blue (91%)



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)




- Cyan (8%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2260, 0.3138, 0.3207 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 77.2260, 0.3138, 0.3207 by changing the saturation by 10% instead.

 77.2260, 0.3138,
0.3207

 77.2260, 0.3138,
0.3207

485.5342, 0.3133,
0.3245

 57.4384, 0.3139,
0.3198

129.4585, 0.3136,
0.3220

 41.3573, 0.3140,
0.3188

162.6721, 0.3136,
0.3225

 28.5984, 0.3142,
0.3175


201.1298, 0.3135,
0.3230

 18.7772, 0.3144,
0.3158

245.2161, 0.3135,
0.3233

 11.5094, 0.3147,
0.3135

295.3153, 0.3134,
0.3237

 6.4106, 0.3151,
0.3102

351.8118, 0.3134,

 3.0963, 0.3156,

0.3240

0.3053

415.0899, 0.3134,
0.3242

■ 1.1822, 0.3165,
0.2967

■ 0.0471, 0.3425,
0.1050

■ 77.2260, 0.3138,
0.3207

■ 77.2260, 0.3138,
0.3207

■ 65.2846, 0.3169,
0.2985

■ 90.9100, 0.3111,
0.3420

■ 55.0058, 0.3203,
0.2759


■ 95.1971, 0.3093,
0.3458

■ 46.3181, 0.3241,
0.2534

■ 95.3511, 0.3079,
0.3432

■ 39.1409, 0.3282,
0.2320


■ 95.5073, 0.3064,
0.3406


 33.3866, 0.3326,
0.2126

 95.6658, 0.3049,
0.3379


 28.9587, 0.3369,
0.1962


 95.8265, 0.3035,
0.3353

 25.7486, 0.3413,
0.1836

 95.9894, 0.3020,
0.3327

 23.6306, 0.3454,
0.1754

 96.1546, 0.3006,
0.3302

 22.4516, 0.3493,
0.1717

 96.2324, 0.2999,
0.3290

Harmonies

Analogous

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



77.2260, 0.3076, 0.3185



77.2260, 0.3138, 0.3207



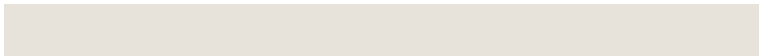
77.2260, 0.3198, 0.3251

Triad

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



77.2260, 0.3138, 0.3207



77.2260, 0.3227, 0.3391



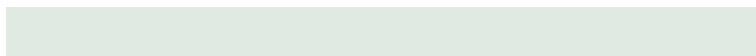
77.2260, 0.3017, 0.3273

Complementary

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



77.2260, 0.3138, 0.3207



80.3454, 0.3116, 0.3374

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.



77.2260, 0.3057, 0.3330



77.2260, 0.3138, 0.3207



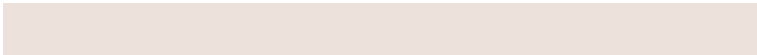
77.2260, 0.3178, 0.3398

Square

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



77.2260, 0.3138, 0.3207



77.2260, 0.3249, 0.3356



77.2260, 0.3116, 0.3376



77.2260, 0.3007, 0.3222

Rectangle

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



77.2260, 0.3138, 0.3207



77.2260, 0.3228, 0.3287



77.2260, 0.3116, 0.3376



77.2260, 0.3028, 0.3292

Sweetspot

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



77.2293, 0.3138, 0.3207



98.3656, 0.3130, 0.3268



75.9476, 0.3076, 0.3195



21.0715, 0.3130, 0.3270



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.



77.2293, 0.3138, 0.3207



92.0423, 0.3141, 0.3181



76.9811, 0.3167, 0.3253



16.2843, 0.3143, 0.3167



12.4011, 0.3510, 0.1707



0.9820, 0.3463, 0.1681

Inverse Universe

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



77.2293, 0.3138, 0.3207



92.0423, 0.3141, 0.3181



80.5899, 0.3089, 0.3328



16.2843, 0.3143, 0.3167



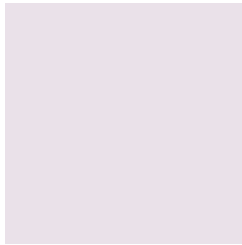
12.4011, 0.3510, 0.1707



0.9820, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 77.2260, 0.3138, 0.3207 looks on a white background.

Color Contrast Check

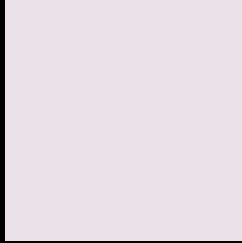
Large Text (above 18pt) WCAG AA × Fail

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 77.2260, 0.3138, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

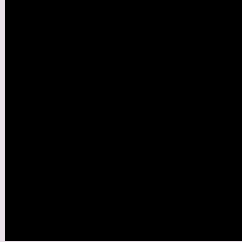
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

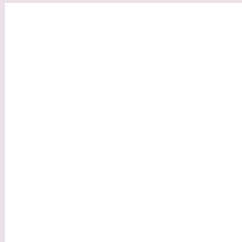
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2260, 0.3138, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 77.2260, 0.3138, 0.3207.

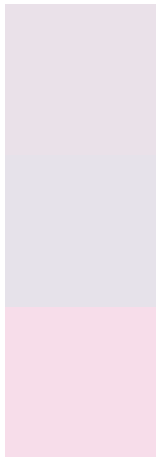


This preview shows how white text looks on a background with the Yxy color 77.2260, 0.3138, 0.3207.

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

77.2260, 0.3138, 0.3207

Protanopia

77.1562, 0.3103, 0.3206

Deuteranopia

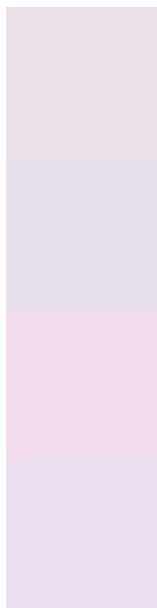
77.4276, 0.3226, 0.3159



Tritanopia

77.3244, 0.3094, 0.3115

Trichromacy



Original Color

77.2260, 0.3138, 0.3207

Protanomaly

77.3221, 0.3110, 0.3207

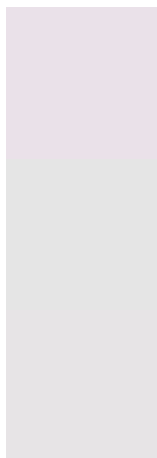
Deuteranomaly

77.0603, 0.3189, 0.3168

Tritanomaly

77.1465, 0.3113, 0.3146

Monochromacy



Original Color

77.2260, 0.3138, 0.3207

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.1889, 0.3135, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2260, 0.3138, 0.3207 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(234, 225, 233)` looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 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(234, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 233) }
```

Border

The CSS property to change the border of an element to Yxy 77.2260, 0.3138, 0.3207 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(234, 225, 233) }
```

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

```
.border{ border-color:rgb(234, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2260, 0.3138, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 233) }
```

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

```
.background{ background-color: rgb(234,  
225, 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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