

Converting Colors

$Y_{xy}(77.1278, 0.3179, 0.3290)$

Have a look what the booklet for
Yxy(77.1278, 0.3179, 0.3290)
contains.

Yxy(77.2073, 0.3176, 0.3290)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2073, 0.3176, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	E9E2E2
RGB	233, 226, 226
RGB Percent	91%, 89%, 89%
CMY	0.0862, 0.1137, 0.1137
CMYK	0.00, 0.03, 0.03, 0.09
HSL	360°, 14%, 90%
HSV	360°, 3%, 91%
XYZ	74.5320, 77.2073, 82.9333
YIQ	228.0930, 4.1720, 1.4840

Conversions

Conversions Part 2

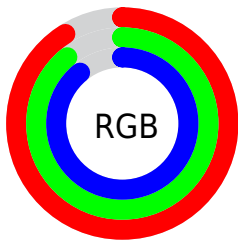
Format	Color
R _Y B	233, 226, 226
Decimal	15327970
CIE Lab	90.42, 2.38, 0.83
CIE LCh	90, 2.521, 19.163
Yxy	77.2073, 0.3176, 0.3290
Android (android.graphics.Color)	4293518050 (0xFFE9E2E2)
YUV	228.0930, -1.0318, 4.3034
Hunter-Lab	87.8677, -2.3593, 5.5469

Details

The Yxy color **77.2073, 0.3176, 0.3290** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.3373, 0.3080, 0.3290**, and the grayscale version is **77.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4132, 0.3181, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **64.1957, 0.3364, 0.3290**, and if you desaturate by 10%, it is **92.1209, 0.3026, 0.3290**.

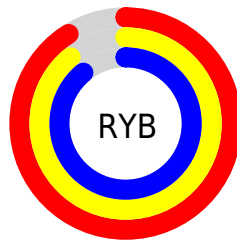
Distribution



Red (91%)

Green (89%)

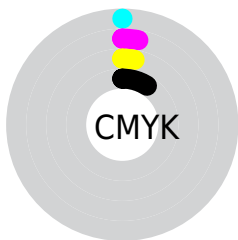
Blue (89%)



Red (91%)

Yellow (89%)

Blue (89%)

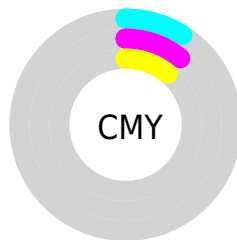


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2073, 0.3176, 0.3290 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 77.2073, 0.3176, 0.3290 by changing the saturation by 10% instead.

■ 77.2073, 0.3176,
0.3290

■ 77.2073, 0.3176,
0.3290

485.4705, 0.3154,
0.3290

■ 57.4230, 0.3181,
0.3290

129.4321, 0.3168,
0.3290

■ 41.3450, 0.3187,
0.3290

162.6413, 0.3165,
0.3290

■ 28.5887, 0.3195,
0.3290

201.0944, 0.3163,
0.3290

■ 18.7699, 0.3205,
0.3290

245.1757, 0.3160,
0.3290

■ 11.5042, 0.3219,
0.3290

295.2695, 0.3158,
0.3290

■ 6.4070, 0.3239,
0.3289

351.7604, 0.3157,

■ 3.0941, 0.3270,

0.3290

415.0326, 0.3155,
0.3290

0.3289

1.1811, 0.3325,
0.3287

0.0462, 0.6885,
0.3115

77.2073, 0.3176,
0.3290

77.2073, 0.3176,
0.3290

64.1957, 0.3364,
0.3290

92.1209, 0.3026,
0.3290

53.0002, 0.3600,
0.3290

96.0658, 0.2994,
0.3290

43.5431, 0.3895,
0.3291

35.7372, 0.4255,
0.3292

■ 29.4880, 0.4681,
0.3292

■ 24.6911, 0.5156,
0.3294

■ 21.2296, 0.5632,
0.3295

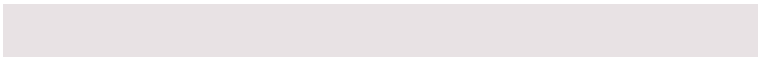
■ 18.9685, 0.6037,
0.3297

■ 17.7444, 0.6301,
0.3299

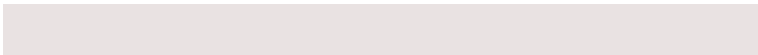
Harmonies

Analogous

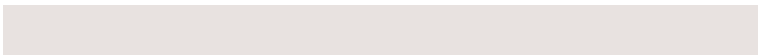
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2073, 0.3153, 0.3265



77.2073, 0.3176, 0.3290



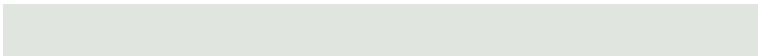
77.2073, 0.3186, 0.3316

Triad

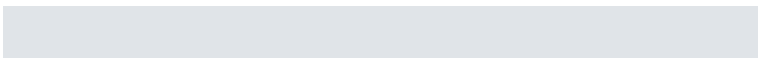
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2073, 0.3176, 0.3290



77.2073, 0.3131, 0.3335



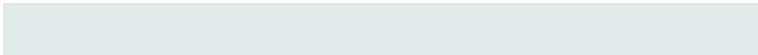
77.2073, 0.3075, 0.3246

Complementary

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



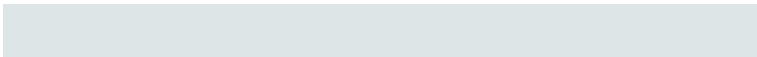
77.2073, 0.3176, 0.3290



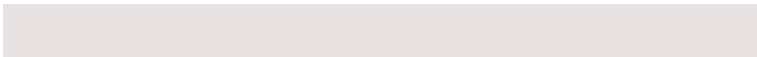
80.3373, 0.3080, 0.3290

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.



77.2073, 0.3069, 0.3264



77.2073, 0.3176, 0.3290



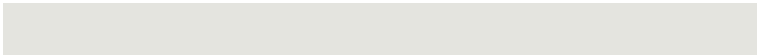
77.2073, 0.3101, 0.3316

Square

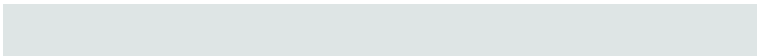
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



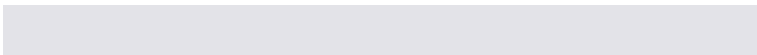
77.2073, 0.3176, 0.3290



77.2073, 0.3159, 0.3342



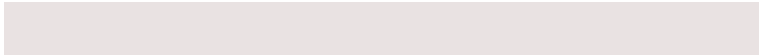
77.2073, 0.3079, 0.3290



77.2073, 0.3095, 0.3239

Rectangle

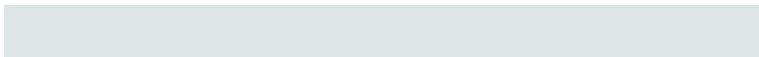
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



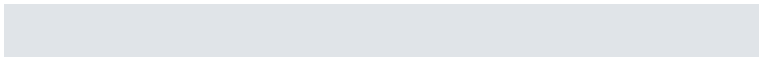
77.2073, 0.3176, 0.3290



77.2073, 0.3183, 0.3329



77.2073, 0.3079, 0.3290



77.2073, 0.3072, 0.3251

Sweetspot

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



77.2106, 0.3176, 0.3290



98.2209, 0.3143, 0.3290



77.5833, 0.3130, 0.3217



21.0421, 0.3142, 0.3290



0.0000, 0.0000, 0.0000



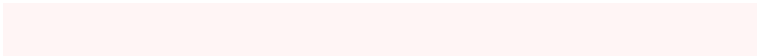
21.4041, 0.3127, 0.3290

Same Dimension

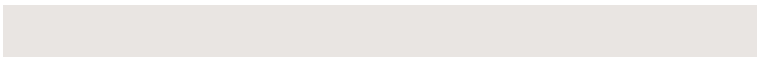
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2106, 0.3176, 0.3290



93.0252, 0.3193, 0.3290



79.0716, 0.3174, 0.3326



16.4243, 0.3206, 0.3290



9.8304, 0.6399, 0.3299



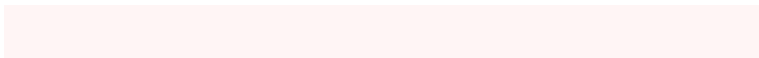
0.7721, 0.6394, 0.3296

Inverse Universe

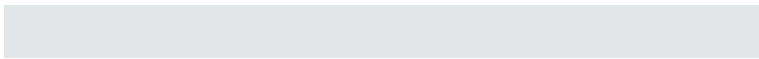
The Inverse Universe completely reimagines the original color for something new.



77.2106, 0.3176, 0.3290



93.0252, 0.3193, 0.3290



78.4373, 0.3081, 0.3254



16.4243, 0.3206, 0.3290



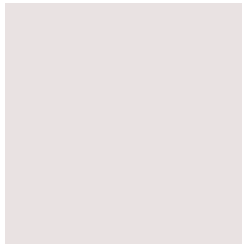
9.8304, 0.6399, 0.3299



0.7721, 0.6394, 0.3296

Previews

White Background



This preview shows how the Yxy color 77.2073, 0.3176, 0.3290 looks on a white background.

Color Contrast Check

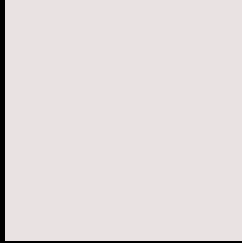
Large Text (above 18pt) WCAG AA × Fail

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 77.2073, 0.3176, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

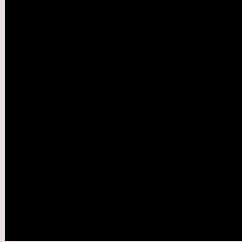
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

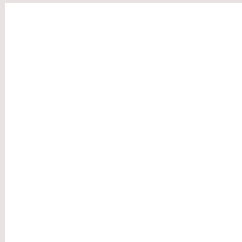
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2073, 0.3176, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 77.2073, 0.3176, 0.3290.

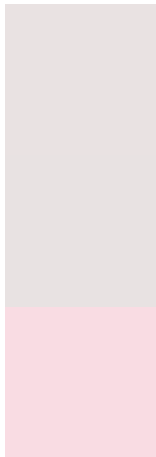


This preview shows how white text looks on a background with the Yxy color 77.2073, 0.3176, 0.3290.

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

77.2073, 0.3176, 0.3290

Protanopia

77.0395, 0.3169, 0.3290

Deuteranopia

76.8722, 0.3289, 0.3220



Tritanopia

77.3244, 0.3094, 0.3115

Trichromacy



Original Color

77.2073, 0.3176, 0.3290

Protanomaly

77.0395, 0.3169, 0.3290

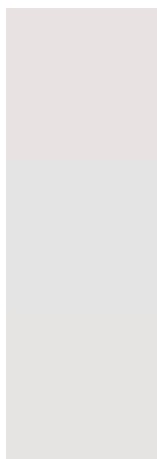
Deuteranomaly

76.8433, 0.3243, 0.3239

Tritanomaly

77.3990, 0.3119, 0.3176

Monochromacy



Original Color

77.2073, 0.3176, 0.3290

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3072, 0.3148, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2073, 0.3176, 0.3290 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(233, 226, 226)` looks like.

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

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

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

Border

The CSS property to change the border of an element to Yxy 77.2073, 0.3176, 0.3290 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(233, 226, 226) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to $Yxy\ 77.2073, 0.3176, 0.3290$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 226) }
```

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

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

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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