

Converting Colors

$Y_{xy}(77.0508, 0.3175, 0.3275)$

Have a look what the booklet for
Yxy(77.0508, 0.3175, 0.3275)
contains.

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Color

Yxy(76.8889, 0.3177, 0.3269)

Conversions

Conversions Part 1

Format	Color
Hex	EAE1E3
RGB	234, 225, 227
RGB Percent	92%, 88%, 89%
CMY	0.0823, 0.1176, 0.1097
CMYK	0.00, 0.04, 0.03, 0.08
HSL	347°, 18%, 90%
HSV	347°, 4%, 92%
XYZ	74.7250, 76.8889, 83.5923
YIQ	227.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

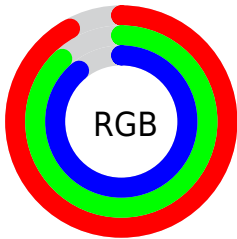
Format	Color
R _Y B	234, 225, 227
Decimal	15393251
CIE Lab	90.27, 3.41, 0.09
CIE LCh	90, 3.411, 1.553
Yxy	76.8889, 0.3177, 0.3269
Android (android.graphics.Color)	4293583331 (0xFFEAE1E3)
YUV	227.9190, -0.4531, 5.3330
Hunter-Lab	87.6863, -1.3359, 4.8586

Details

The Yxy color **76.8889, 0.3177, 0.3269** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.6806, 0.3080, 0.3311**, and the grayscale version is **77.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1930, 0.3183, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **64.1452, 0.3327, 0.3212**, and if you desaturate by 10%, it is **91.4787, 0.3055, 0.3322**.

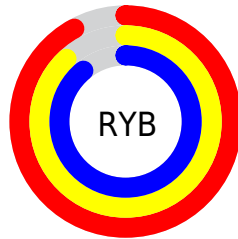
Distribution



Red (92%)

Green (88%)

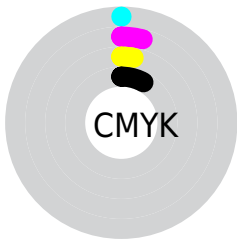
Blue (89%)



Red (92%)

Yellow (88%)

Blue (89%)

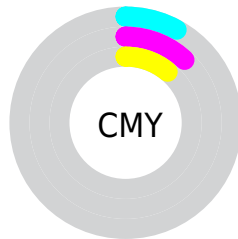


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (8%)



Cyan (8%)

Magenta (12%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8889, 0.3177, 0.3269 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 76.8889, 0.3177, 0.3269 by changing the saturation by 10% instead.

76.8889, 0.3177,
0.3269

76.8889, 0.3177,
0.3269

484.3851, 0.3154,
0.3279

57.1617, 0.3182,
0.3267

128.9826, 0.3169,
0.3272

41.1351, 0.3189,
0.3264

162.1180, 0.3166,
0.3274

28.4246, 0.3197,
0.3261

200.4915, 0.3163,
0.3275

18.6460, 0.3207,
0.3256

244.4875, 0.3161,
0.3276

11.4148, 0.3221,
0.3250

294.4905, 0.3159,
0.3277

6.3465, 0.3242,
0.3241

350.8848, 0.3157,

3.0569, 0.3273,

0.3277

0.3228

414.0549, 0.3156,
0.3278

■ 1.1615, 0.3329,
0.3204

■ 0.0299, 0.6658,
0.1784

■ 76.8889, 0.3177,
0.3269

■ 76.8889, 0.3177,
0.3269

■ 64.1452, 0.3327,
0.3212

■ 91.4787, 0.3055,
0.3322

■ 53.1642, 0.3513,
0.3151

■ 96.2330, 0.2999,
0.3290

■ 43.8711, 0.3741,
0.3090

■ 36.1817, 0.4019,
0.3031

■ 30.0046, 0.4348,
0.2981

■ 25.2391, 0.4723,
0.2949

■ 21.7724, 0.5127,
0.2944

■ 19.4737, 0.5524,
0.2977

■ 18.1850, 0.5867,
0.3047

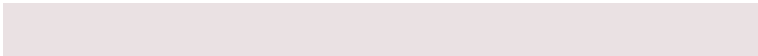
Harmonies

Analogous

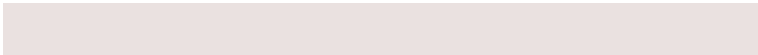
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8889, 0.3139, 0.3239



76.8889, 0.3177, 0.3269



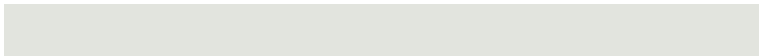
76.8889, 0.3201, 0.3305

Triad

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



76.8889, 0.3177, 0.3269



76.8889, 0.3155, 0.3359



76.8889, 0.3050, 0.3243

Complementary

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



76.8889, 0.3177, 0.3269



80.6806, 0.3080, 0.3311

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.



76.8889, 0.3054, 0.3275



76.8889, 0.3177, 0.3269



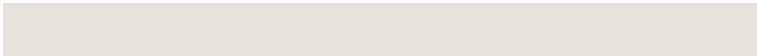
76.8889, 0.3115, 0.3342

Square

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



76.8889, 0.3177, 0.3269



76.8889, 0.3189, 0.3357



76.8889, 0.3078, 0.3311



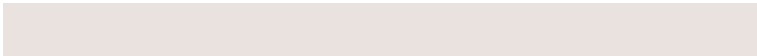
76.8889, 0.3066, 0.3224

Rectangle

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



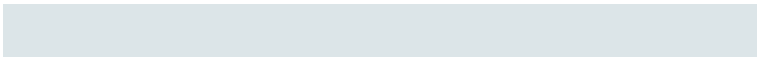
76.8889, 0.3177, 0.3269



76.8889, 0.3206, 0.3327



76.8889, 0.3078, 0.3311



76.8889, 0.3049, 0.3253

Sweetspot

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



76.8922, 0.3177, 0.3269



98.2571, 0.3140, 0.3285



76.9321, 0.3117, 0.3196



21.0494, 0.3139, 0.3285



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

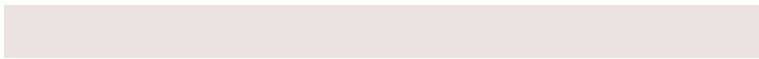
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8922, 0.3177, 0.3269



91.5127, 0.3193, 0.3262



78.0881, 0.3189, 0.3315



16.1776, 0.3202, 0.3259



9.9876, 0.6003, 0.3081



0.7985, 0.5620, 0.2869

Inverse Universe

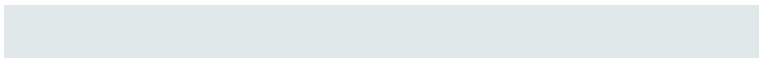
The Inverse Universe completely reimagines the original color for something new.



76.8922, 0.3177, 0.3269



91.5127, 0.3193, 0.3262



79.4387, 0.3068, 0.3265



16.1776, 0.3202, 0.3259



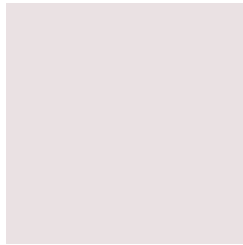
9.9876, 0.6003, 0.3081



0.7985, 0.5620, 0.2869

Previews

White Background



This preview shows how the Yxy color 76.8889, 0.3177, 0.3269 looks on a white background.

Color Contrast Check

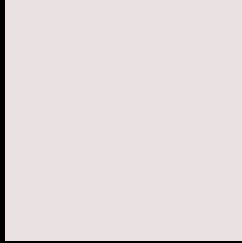
Large Text (above 18pt) WCAG AA × Fail

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 76.8889, 0.3177, 0.3269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

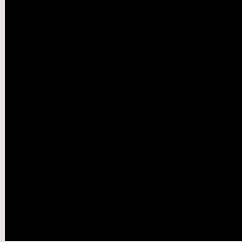
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

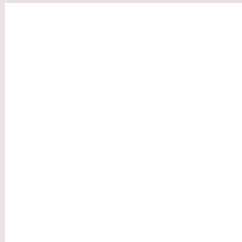
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8889, 0.3177, 0.3269

Background



This preview shows how black text looks on a background with the Yxy color 76.8889, 0.3177, 0.3269.

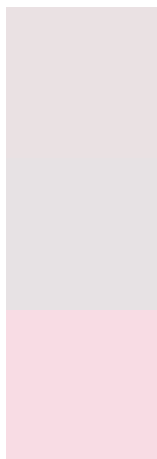


This preview shows how white text looks on a background with the Yxy color 76.8889, 0.3177, 0.3269.

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

76.8889, 0.3177, 0.3269

Protanopia

76.9831, 0.3149, 0.3269

Deuteranopia

76.7443, 0.3275, 0.3209



Tritanopia

76.8995, 0.3108, 0.3115

Trichromacy



Original Color

76.8889, 0.3177, 0.3269

Protanomaly

77.1500, 0.3156, 0.3269

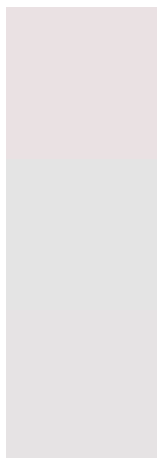
Deuteranomaly

76.8987, 0.3237, 0.3229

Tritanomaly

76.9716, 0.3132, 0.3176

Monochromacy



Original Color

76.8889, 0.3177, 0.3269

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.3626, 0.3141, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8889, 0.3177, 0.3269 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, 227) looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 227) }
```

Border

The CSS property to change the border of an element to Yxy 76.8889, 0.3177, 0.3269 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, 227) }
```

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

```
.border{ border-color:rgb(234, 225, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8889, 0.3177, 0.3269 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, 227) }
```

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

```
.background{ background-color: rgb(234,  
225, 227) }
```

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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