

Converting Colors

$Y_{xy}(72.5601, 0.3158, 0.3256)$

Have a look what the booklet for
Yxy(72.5601, 0.3158, 0.3256)
contains.

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Color

Yxy(72.8450, 0.3157, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	E3DCDF
RGB	227, 220, 223
RGB Percent	89%, 86%, 87%
CMY	0.1099, 0.1372, 0.1255
CMYK	0.00, 0.03, 0.02, 0.11
HSL	334°, 11%, 88%
HSV	334°, 3%, 89%
XYZ	70.5868, 72.8450, 80.1563
YIQ	222.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

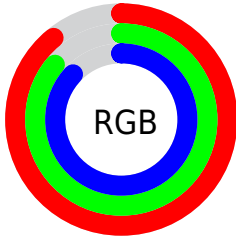
Format	Color
R _{YB}	227, 220, 223
Decimal	14933215
CIE Lab	88.37, 2.90, -0.63
CIE LCh	88, 2.973, 347.698
Yxy	72.8450, 0.3157, 0.3258
Android (android.graphics.Color)	4293123295 (0xFFE3DCDF)
YUV	222.4350, 0.2785, 4.0035
Hunter-Lab	85.3493, -1.7357, 4.0619

Details

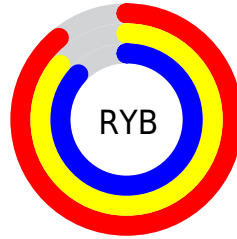
The Yxy color **72.8450, 0.3157, 0.3258** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5259, 0.3098, 0.3322**, and the grayscale version is **73.3671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5081, 0.3166, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **61.0591, 0.3268, 0.3149**, and if you desaturate by 10%, it is **86.3081, 0.3066, 0.3360**.

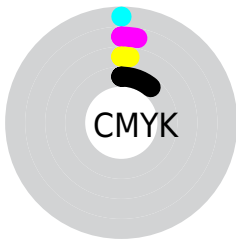
Distribution



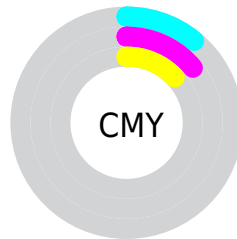
- Red (89%)
- Green (86%)
- Blue (87%)



- Red (89%)
- Yellow (86%)
- Blue (87%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8450, 0.3157, 0.3258 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 72.8450, 0.3157, 0.3258 by changing the saturation by 10% instead.

■ 72.8450, 0.3157,
0.3258

■ 72.8450, 0.3157,
0.3258

470.4774, 0.3143,
0.3273

■ 53.8492, 0.3160,
0.3255

123.2571, 0.3152,
0.3263

■ 38.4811, 0.3164,
0.3250

155.4423, 0.3150,
0.3265

■ 26.3563, 0.3169,
0.3245

192.7927, 0.3149,
0.3267

■ 17.0904, 0.3175,
0.3238

235.6928, 0.3147,
0.3268

■ 10.2990, 0.3184,
0.3229

284.5269, 0.3146,
0.3270

■ 5.5976, 0.3197,
0.3215

339.6794, 0.3145,

■ 2.6020, 0.3217,

0.3271

401.5348, 0.3144,
0.3272

0.3193

0.9277, 0.3254,
0.3154

0.0000, 0.0000,
0.0000

72.8450, 0.3157,
0.3258

72.8450, 0.3157,
0.3258

61.0591, 0.3268,
0.3149

86.3081, 0.3066,
0.3360

50.8751, 0.3402,
0.3035

94.6802, 0.2991,
0.3351

42.2258, 0.3564,
0.2919

95.0677, 0.2958,
0.3290

35.0357, 0.3757,
0.2805

■ 29.2227, 0.3983,
0.2702

■ 24.6966, 0.4240,
0.2620

■ 21.3562, 0.4522,
0.2572

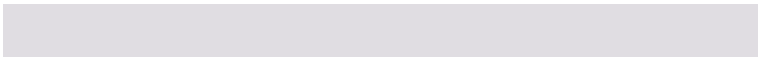
■ 19.0850, 0.4815,
0.2571

■ 17.7423, 0.5100,
0.2624

Harmonies

Analogous

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



72.8450, 0.3121, 0.3236



72.8450, 0.3157, 0.3258



72.8450, 0.3185, 0.3288

Triad

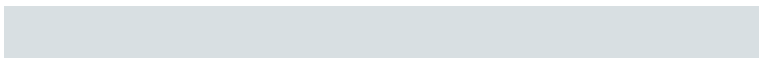
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8450, 0.3157, 0.3258



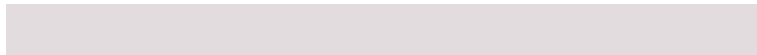
72.8450, 0.3167, 0.3352



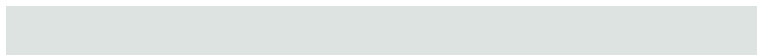
72.8450, 0.3058, 0.3260

Complementary

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



72.8450, 0.3157, 0.3258



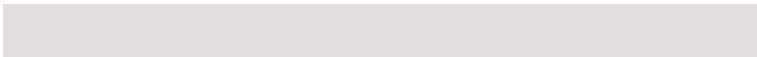
75.5259, 0.3098, 0.3322

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.



72.8450, 0.3070, 0.3292



72.8450, 0.3157, 0.3258



72.8450, 0.3133, 0.3345

Square

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



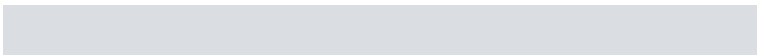
72.8450, 0.3157, 0.3258



72.8450, 0.3191, 0.3343



72.8450, 0.3097, 0.3323



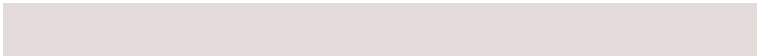
72.8450, 0.3064, 0.3237

Rectangle

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



72.8450, 0.3157, 0.3258



72.8450, 0.3195, 0.3309



72.8450, 0.3097, 0.3323



72.8450, 0.3060, 0.3270

Sweetspot

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



72.8481, 0.3157, 0.3258



98.2905, 0.3137, 0.3280



72.5783, 0.3109, 0.3215



21.0562, 0.3136, 0.3280



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

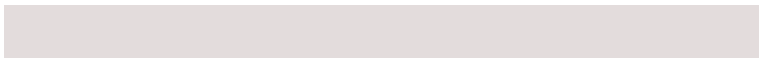
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8481, 0.3157, 0.3258



93.2950, 0.3167, 0.3248



72.9322, 0.3177, 0.3295



15.7261, 0.3174, 0.3240



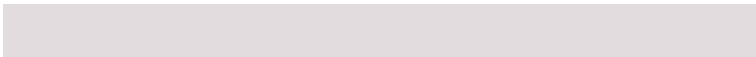
10.0564, 0.5249, 0.2665



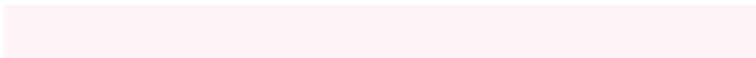
0.7614, 0.4879, 0.2461

Inverse Universe

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



72.8481, 0.3157, 0.3258



93.2950, 0.3167, 0.3248



75.4361, 0.3079, 0.3285



15.7261, 0.3174, 0.3240



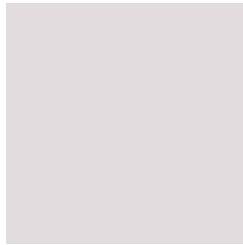
10.0564, 0.5249, 0.2665



0.7614, 0.4879, 0.2461

Previews

White Background



This preview shows how the Yxy color 72.8450, 0.3157, 0.3258 looks on a white background.

Color Contrast Check

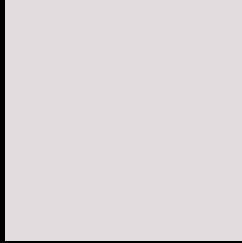
Large Text (above 18pt) WCAG AA × Fail

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 72.8450, 0.3157, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

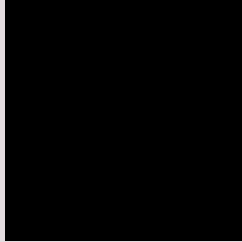
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

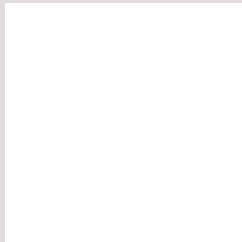
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8450, 0.3157, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 72.8450, 0.3157, 0.3258.

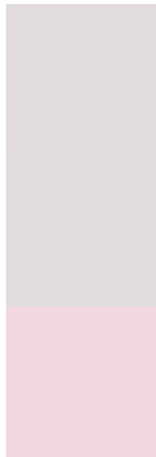


This preview shows how white text looks on a background with the Yxy color 72.8450, 0.3157, 0.3258.

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

72.8450, 0.3157, 0.3258

Protanopia

73.0482, 0.3142, 0.3269

Deuteranopia

72.8599, 0.3263, 0.3197



Tritanopia

72.7990, 0.3093, 0.3111

Trichromacy



Original Color

72.8450, 0.3157, 0.3258

Protanomaly

73.2094, 0.3149, 0.3269

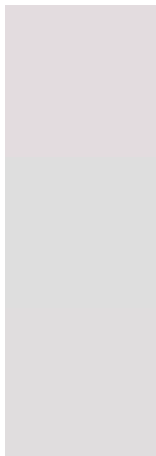
Deuteranomaly

73.0121, 0.3225, 0.3217

Tritanomaly

72.9265, 0.3112, 0.3163

Monochromacy



Original Color

72.8450, 0.3157, 0.3258

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.8341, 0.3142, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8450, 0.3157, 0.3258 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(227, 220, 223)` looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 223)  
}
```

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(227, 220, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 223) }
```

Border

The CSS property to change the border of an element to Yxy 72.8450, 0.3157, 0.3258 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(227, 220, 223) }
```

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

```
.border{ border-color:rgb(227, 220, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 220, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 220, 223);  
box-shadow:4px 4px 4px 4px rgb(227, 220,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8450, 0.3157, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 223) }
```

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

```
.background{ background-color: rgb(227,  
220, 223) }
```

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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