

Converting Colors

$Y_{xy}(70.4228, 0.3140, 0.3172)$

Have a look what the booklet for
Yxy(70.4228, 0.3140, 0.3172)
contains.

Yxy(70.4228, 0.3140, 0.3172)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4228, 0.3140, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	E3D7E2
RGB	227, 215, 226
RGB Percent	89%, 84%, 89%
CMY	0.1097, 0.1569, 0.1137
CMYK	0.00, 0.05, 0.00, 0.11
HSL	305°, 18%, 87%
HSV	305°, 5%, 89%
XYZ	69.7124, 70.4228, 81.8787
YIQ	219.8420, 3.6210, 5.9650

Conversions

Conversions Part 2

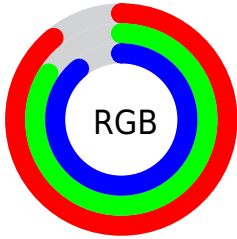
Format	Color
R _Y B	227, 215, 226
Decimal	14931938
CIE Lab	87.20, 6.07, -3.93
CIE LCh	87, 7.234, 327.047
Yxy	70.4228, 0.3140, 0.3172
Android (android.graphics.Color)	4293122018 (0xFFE3D7E2)
YUV	219.8420, 3.0359, 6.2776
Hunter-Lab	83.9183, 1.4260, 0.8938

Details

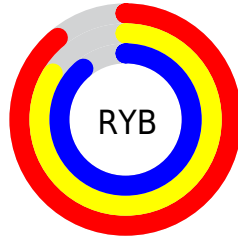
The Yxy color `70.4228, 0.3140, 0.3172` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.3546, 0.3115, 0.3411`, and the grayscale version is `71.4348, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.8525, 0.3144, 0.3137` is the 20% darker color. If you saturate the color by 10%, you get `59.5514, 0.3166, 0.2943`, and if you desaturate by 10%, it is `82.9056, 0.3116, 0.3392`.

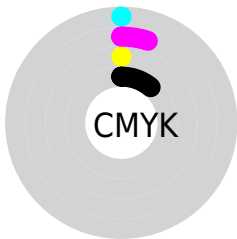
Distribution



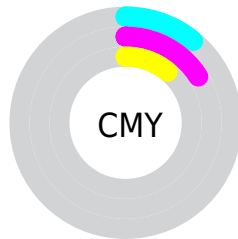
- Red (89%)
- Green (84%)
- Blue (89%)



- Red (89%)
- Yellow (84%)
- Blue (89%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)





- Cyan (11%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4228, 0.3140, 0.3172 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 70.4228, 0.3140, 0.3172 by changing the saturation by 10% instead.


 70.4228, 0.3140,
0.3172

 70.4228, 0.3140,
0.3172


462.0331, 0.3134,
0.3227

 51.8713, 0.3141,
0.3160


119.8115, 0.3138,
0.3191

 36.9025, 0.3143,
0.3144


151.4175, 0.3137,
0.3198

 25.1320, 0.3145,
0.3125


188.1438, 0.3137,
0.3205

 16.1754, 0.3147,
0.3099

230.3747, 0.3136,
0.3210

 9.6484, 0.3150,
0.3065

278.4947, 0.3136,
0.3215

 5.1665, 0.3155,
0.3015

332.8882, 0.3135,

 2.3453, 0.3161,

0.3219

0.2936

393.9395, 0.3135,
0.3223

0.7975, 0.3174,
0.2788

0.0000, 0.0000,
0.0000

70.4228, 0.3140,
0.3172

70.4228, 0.3140,
0.3172

59.5514, 0.3166,
0.2943

82.9056, 0.3116,
0.3392

50.2167, 0.3196,
0.2711

93.5573, 0.3098,
0.3547

42.3515, 0.3227,
0.2482

93.6647, 0.3087,
0.3527

35.8802, 0.3261,
0.2266

93.7733, 0.3076,
0.3508

30.7203, 0.3295,
0.2073

93.8830, 0.3066,
0.3488

26.7809, 0.3330,
0.1910

93.9939, 0.3055,
0.3468

23.9593, 0.3363,
0.1788

94.1060, 0.3044,
0.3449

22.1359, 0.3394,
0.1709

94.2193, 0.3034,
0.3429

21.1642, 0.3422,
0.1673

94.3338, 0.3023,
0.3409

Harmonies

Analogous

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



70.4228, 0.3053, 0.3142



70.4228, 0.3140, 0.3172



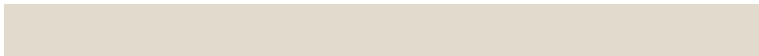
70.4228, 0.3225, 0.3233

Triad

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



70.4228, 0.3140, 0.3172



70.4228, 0.3270, 0.3431



70.4228, 0.2973, 0.3268

Complementary

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



70.4228, 0.3140, 0.3172



74.3546, 0.3115, 0.3411

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.



70.4228, 0.3030, 0.3348



70.4228, 0.3140, 0.3172



70.4228, 0.3201, 0.3443

Square

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



70.4228, 0.3140, 0.3172



70.4228, 0.3300, 0.3382



70.4228, 0.3113, 0.3413



70.4228, 0.2957, 0.3195

Rectangle

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



70.4228, 0.3140, 0.3172



70.4228, 0.3268, 0.3283



70.4228, 0.3113, 0.3413



70.4228, 0.2988, 0.3295

Sweetspot

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



70.4258, 0.3140, 0.3172



96.7616, 0.3132, 0.3246



68.7459, 0.3054, 0.3158



20.7449, 0.3132, 0.3248



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.



70.4258, 0.3140, 0.3172



90.5414, 0.3142, 0.3155



70.1018, 0.3181, 0.3236



15.3011, 0.3143, 0.3142



12.1879, 0.3431, 0.1664



0.9068, 0.3395, 0.1644

Inverse Universe

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



70.4258, 0.3140, 0.3172



90.5414, 0.3142, 0.3155



74.6710, 0.3076, 0.3345



15.3011, 0.3143, 0.3142



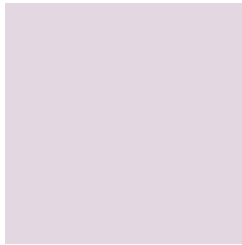
12.1879, 0.3431, 0.1664



0.9068, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 70.4228, 0.3140, 0.3172 looks on a white background.

Color Contrast Check

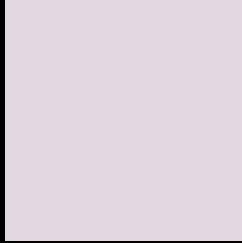
Large Text (above 18pt) WCAG AA × Fail

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 70.4228, 0.3140, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

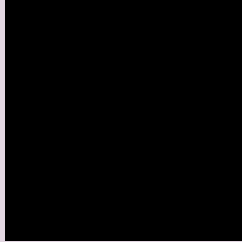
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

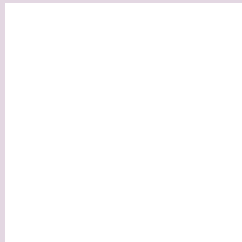
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.4228, 0.3140, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 70.4228, 0.3140, 0.3172.

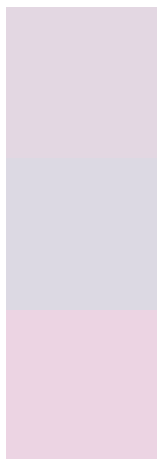


This preview shows how white text looks on a background with the Yxy color 70.4228, 0.3140, 0.3172.

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

70.4228, 0.3140, 0.3172

Protanopia

70.3874, 0.3082, 0.3181

Deuteranopia

70.4659, 0.3201, 0.3133



Tritanopia

70.3566, 0.3114, 0.3109

Trichromacy



Original Color

70.4228, 0.3140, 0.3172

Protanomaly

70.3458, 0.3104, 0.3171

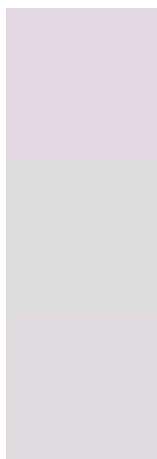
Deuteranomaly

70.4582, 0.3178, 0.3142

Tritanomaly

70.2443, 0.3127, 0.3130

Monochromacy



Original Color

70.4228, 0.3140, 0.3172

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.1047, 0.3136, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4228, 0.3140, 0.3172 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, 215, 226)` looks like.

```
.text, #text, p{  
    color:rgb(227, 215, 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(227, 215, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 215, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.4228, 0.3140, 0.3172 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, 215, 226) }
```

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

```
.border{ border-color:rgb(227, 215, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 215, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 215, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 215, 226);  
box-shadow:4px 4px 4px 4px rgb(227, 215,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4228, 0.3140, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 215, 226) }
```

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

```
.background{ background-color: rgb(227,  
215, 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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