

Converting Colors

$Y_{xy}(70.0234, 0.3155, 0.3172)$

Have a look what the booklet for
Yxy(70.0234, 0.3155, 0.3172)
contains.

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Color

Yxy(70.0234, 0.3155, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	E4D6E1
RGB	228, 214, 225
RGB Percent	89%, 84%, 88%
CMY	0.1056, 0.1608, 0.1176
CMYK	0.00, 0.06, 0.01, 0.11
HSL	313°, 21%, 87%
HSV	313°, 6%, 89%
XYZ	69.6481, 70.0234, 81.0832
YIQ	219.4400, 4.8130, 6.3890

Conversions

Conversions Part 2

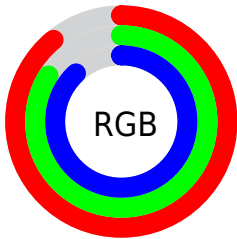
Format	Color
R_{YB}	228, 214, 225
Decimal	14997217
CIE _{Lab}	87.01, 6.77, -3.68
CIE _{LCh}	87, 7.710, 331.481
Y _{xy}	70.0234, 0.3155, 0.3172
Android (android.graphics.Color)	4293187297 (0xFFE4D6E1)
YUV	219.4400, 2.7411, 7.5071
Hunter-Lab	83.6800, 2.1283, 1.1259

Details

The Yxy color `70.0234, 0.3155, 0.3172` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.8293, 0.3100, 0.3411`, and the grayscale version is `71.1453, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.5828, 0.3163, 0.3137` is the 20% darker color. If you saturate the color by 10%, you get `59.0138, 0.3206, 0.2974`, and if you desaturate by 10%, it is `82.6630, 0.3111, 0.3361`.

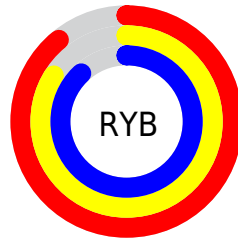
Distribution



Red (89%)

Green (84%)

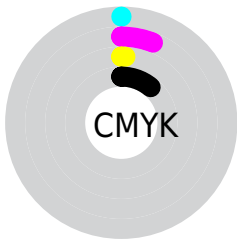
Blue (88%)



Red (89%)

Yellow (84%)

Blue (88%)

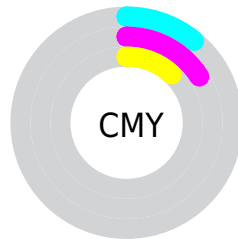


Cyan (0%)

Magenta (6%)

Yellow (1%)

Black (11%)



Cyan (11%)


Magenta (16%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0234, 0.3155, 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 70.0234, 0.3155, 0.3172 by changing the saturation by 10% instead.


 70.0234, 0.3155,
0.3172

 70.0234, 0.3155,
0.3172


460.6322, 0.3142,
0.3227

 51.5456, 0.3158,
0.3160


119.2421, 0.3151,
0.3191

 36.6430, 0.3161,
0.3144


150.7518, 0.3149,
0.3198

 24.9312, 0.3166,
0.3125


187.3743, 0.3147,
0.3205

 16.0258, 0.3172,
0.3099

229.4940, 0.3146,
0.3210

 9.5424, 0.3179,
0.3064

277.4952, 0.3145,
0.3215

 5.0966, 0.3191,
0.3014

331.7624, 0.3144,

 2.3041, 0.3208,

0.3219

0.2935

392.6799, 0.3143,
0.3223

0.7759, 0.3242,
0.2782

0.0000, 0.0000,
0.0000

70.0234, 0.3155,
0.3172

70.0234, 0.3155,
0.3172

59.0138, 0.3206,
0.2974

82.6630, 0.3111,
0.3361

49.5584, 0.3265,
0.2772

94.0183, 0.3075,
0.3494

41.5886, 0.3332,
0.2572

94.3086, 0.3048,
0.3443

35.0274, 0.3406,
0.2381

94.6069, 0.3020,
0.3392

■ 29.7907, 0.3486,
0.2209

■ 94.9134, 0.2993,
0.3342

■ 25.7855, 0.3572,
0.2067

■ 95.2280, 0.2966,
0.3292

■ 22.9065, 0.3659,
0.1964

■ 95.2449, 0.2964,
0.3290

■ 21.0311, 0.3745,
0.1906

■ 20.0064, 0.3827,
0.1896

Harmonies

Analogous

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



70.0234, 0.3061, 0.3134



70.0234, 0.3155, 0.3172



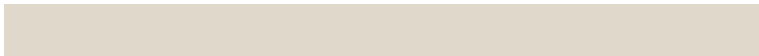
70.0234, 0.3243, 0.3240

Triad

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



70.0234, 0.3155, 0.3172



70.0234, 0.3270, 0.3446



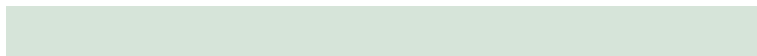
70.0234, 0.2957, 0.3254

Complementary

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



70.0234, 0.3155, 0.3172



74.8293, 0.3100, 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.



70.0234, 0.3012, 0.3340



70.0234, 0.3155, 0.3172



70.0234, 0.3192, 0.3452

Square

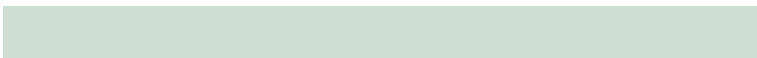
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0234, 0.3155, 0.3172



70.0234, 0.3310, 0.3398



70.0234, 0.3098, 0.3413



70.0234, 0.2947, 0.3179

Rectangle

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



70.0234, 0.3155, 0.3172



70.0234, 0.3286, 0.3295



70.0234, 0.3098, 0.3413



70.0234, 0.2971, 0.3282

Sweetspot

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



70.0264, 0.3155, 0.3172



96.7179, 0.3136, 0.3252



68.4471, 0.3055, 0.3136



20.7360, 0.3135, 0.3254



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.



70.0264, 0.3155, 0.3172



88.8880, 0.3159, 0.3155



69.6504, 0.3203, 0.3247



15.0343, 0.3162, 0.3145



11.4094, 0.3847, 0.1893



0.8565, 0.3735, 0.1831

Inverse Universe

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



70.0264, 0.3155, 0.3172



88.8880, 0.3159, 0.3155



75.2032, 0.3056, 0.3333



15.0343, 0.3162, 0.3145



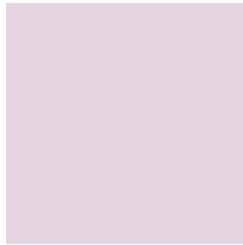
11.4094, 0.3847, 0.1893



0.8565, 0.3735, 0.1831

Previews

White Background



This preview shows how the Yxy color 70.0234, 0.3155, 0.3172 looks on a white background.

Color Contrast Check

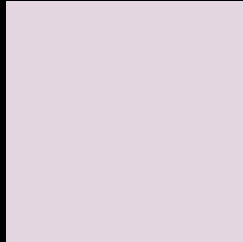
Large Text (above 18pt) WCAG AA × Fail

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 70.0234, 0.3155, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

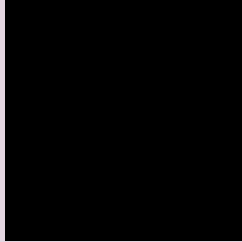
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

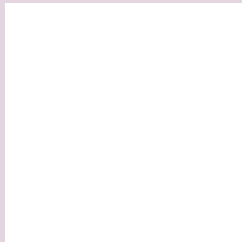
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0234, 0.3155, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 70.0234, 0.3155, 0.3172.

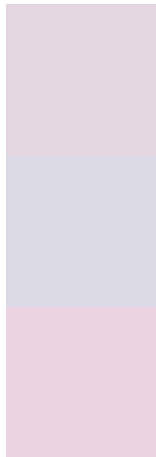


This preview shows how white text looks on a background with the Yxy color 70.0234, 0.3155, 0.3172.

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

70.0234, 0.3155, 0.3172

Protanopia

70.2318, 0.3075, 0.3181

Deuteranopia

69.9124, 0.3209, 0.3132



Tritanopia

69.9597, 0.3128, 0.3109

Trichromacy



Original Color

70.0234, 0.3155, 0.3172

Protanomaly

70.1323, 0.3103, 0.3182

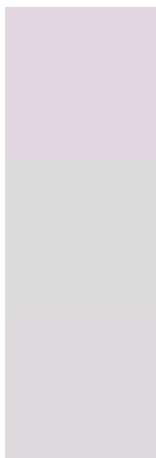
Deuteranomaly

69.9016, 0.3186, 0.3142

Tritanomaly

69.8479, 0.3142, 0.3130

Monochromacy



Original Color

70.0234, 0.3155, 0.3172

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.3758, 0.3136, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0234, 0.3155, 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(228, 214, 225) looks like.

```
.text, #text, p{  
    color:rgb(228, 214, 225)  
}
```

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(228, 214, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 214, 225) }
```

Border

The CSS property to change the border of an element to Yxy 70.0234, 0.3155, 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(228, 214, 225) }
```

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

```
.border{ border-color:rgb(228, 214, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 214, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 214, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 214, 225);  
box-shadow:4px 4px 4px 4px rgb(228, 214,  
225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.0234, 0.3155, 0.3172$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 214, 225) }
```

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

```
.background{ background-color: rgb(228,  
214, 225) }
```

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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