

Converting Colors

$Y_{xy}(70.6653, 0.3118, 0.3172)$

Have a look what the booklet for
Yxy(70.6653, 0.3118, 0.3172)
contains.

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Color

Yxy(70.6653, 0.3118, 0.3172)

Conversions

Conversions Part 1

Format	Color
Hex	E1D8E3
RGB	225, 216, 227
RGB Percent	88%, 85%, 89%
CMY	0.1178, 0.1529, 0.1098
CMYK	0.01, 0.05, 0.00, 0.11
HSL	289°, 16%, 87%
HSV	289°, 5%, 89%
XYZ	69.4623, 70.6653, 82.6508
YIQ	219.9450, 1.8330, 5.3290

Conversions

Conversions Part 2

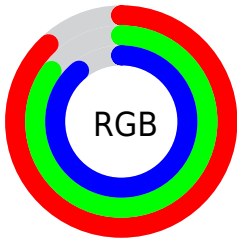
Format	Color
R _Y B	225, 216, 227
Decimal	14801123
CIE Lab	87.32, 5.02, -4.30
CIE LCh	87, 6.611, 319.414
Yxy	70.6653, 0.3118, 0.3172
Android (android.graphics.Color)	4292991203 (0xFFE1D8E3)
YUV	219.9450, 3.4781, 4.4332
Hunter-Lab	84.0627, 0.3877, 0.5497

Details

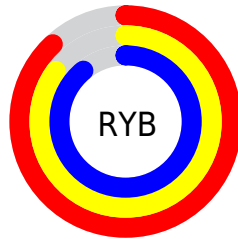
The Yxy color `70.6653, 0.3118, 0.3172` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.8117, 0.3136, 0.3410`, and the grayscale version is `71.5024, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.0143, 0.3115, 0.3136` is the 20% darker color. If you saturate the color by 10%, you get `59.1583, 0.3096, 0.2919`, and if you desaturate by 10%, it is `83.8019, 0.3136, 0.3412`.

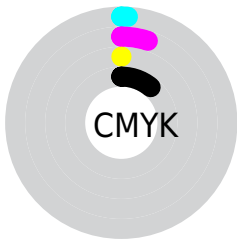
Distribution



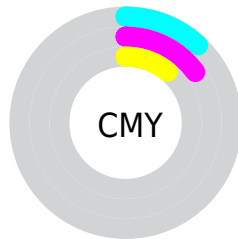
- Red (88%)
- Green (85%)
- Blue (89%)



- Red (88%)
- Yellow (85%)
- Blue (89%)



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (12%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6653, 0.3118, 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 70.6653, 0.3118, 0.3172 by changing the saturation by 10% instead.

70.6653, 0.3118,
0.3172

70.6653, 0.3118,
0.3172

462.8826, 0.3123,
0.3227

52.0691, 0.3117,
0.3160

120.1570, 0.3120,
0.3191

37.0602, 0.3116,
0.3144

151.8214, 0.3120,
0.3198

25.2541, 0.3114,
0.3125

188.6105, 0.3121,
0.3205

16.2664, 0.3111,
0.3099

230.9089, 0.3121,
0.3210

9.7129, 0.3108,
0.3065

279.1009, 0.3122,
0.3215

5.2090, 0.3103,
0.3015

333.5709, 0.3122,

2.3704, 0.3094,

0.3219

0.2936

394.7033, 0.3122,
0.3223

0.8106, 0.3078,
0.2790

0.0000, 0.0000,
0.0000

70.6653, 0.3118,
0.3172

70.6653, 0.3118,
0.3172

59.1583, 0.3096,
0.2919

83.8019, 0.3136,
0.3412

49.2063, 0.3068,
0.2657

94.4567, 0.3154,
0.3573

40.7421, 0.3036,
0.2393

95.1770, 0.3180,
0.3571

33.6904, 0.2998,
0.2137

95.9144, 0.3207,
0.3569

■ 27.9689, 0.2956,
0.1899

■ 96.6691, 0.3234,
0.3567

■ 23.4870, 0.2910,
0.1690

■ 97.4410, 0.3261,
0.3564

■ 20.1425, 0.2861,
0.1518

■ 98.2305, 0.3288,
0.3562

■ 17.8169, 0.2811,
0.1392

■ 98.3261, 0.3292,
0.3562

■ 16.3649, 0.2762,
0.1311

Harmonies

Analogous

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



70.6653, 0.3041, 0.3153



70.6653, 0.3118, 0.3172



70.6653, 0.3198, 0.3222

Triad

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



70.6653, 0.3118, 0.3172



70.6653, 0.3268, 0.3410



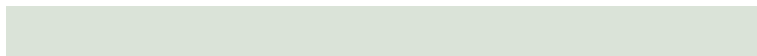
70.6653, 0.2996, 0.3289

Complementary

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



70.6653, 0.3118, 0.3172



74.8117, 0.3136, 0.3410

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.



70.6653, 0.3056, 0.3360



70.6653, 0.3118, 0.3172



70.6653, 0.3213, 0.3431

Square

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



70.6653, 0.3118, 0.3172



70.6653, 0.3285, 0.3358



70.6653, 0.3135, 0.3412



70.6653, 0.2972, 0.3219

Rectangle

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



70.6653, 0.3118, 0.3172



70.6653, 0.3242, 0.3266



70.6653, 0.3135, 0.3412



70.6653, 0.3013, 0.3313

Sweetspot

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



70.6683, 0.3118, 0.3172



98.2940, 0.3125, 0.3266



70.4022, 0.3054, 0.3194



21.0569, 0.3125, 0.3267



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.



70.6683, 0.3118, 0.3172



90.0883, 0.3116, 0.3142



70.8181, 0.3155, 0.3208



15.2164, 0.3114, 0.3128



9.2834, 0.2744, 0.1285



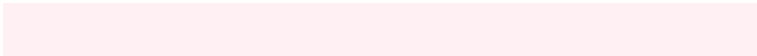
0.7212, 0.2815, 0.1325

Inverse Universe

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



70.5173, 0.3193, 0.3268



89.8472, 0.3211, 0.3263



74.6710, 0.3100, 0.3374



15.1717, 0.3220, 0.3260



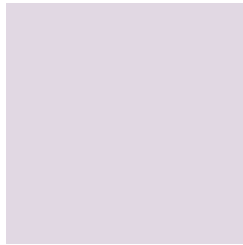
9.6350, 0.6106, 0.3137



0.7246, 0.5716, 0.2923

Previews

White Background



This preview shows how the Yxy color 70.6653, 0.3118, 0.3172 looks on a white background.

Color Contrast Check

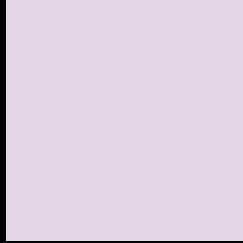
Large Text (above 18pt) WCAG AA × Fail

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 70.6653, 0.3118, 0.3172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

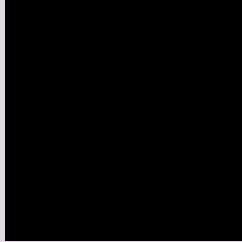
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

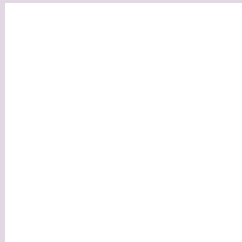
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6653, 0.3118, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 70.6653, 0.3118, 0.3172.

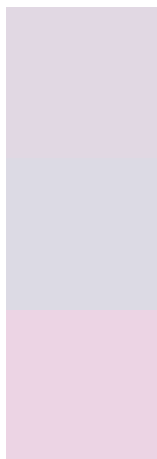


This preview shows how white text looks on a background with the Yxy color 70.6653, 0.3118, 0.3172.

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

70.6653, 0.3118, 0.3172

Protanopia

70.9599, 0.3075, 0.3182

Deuteranopia

70.5213, 0.3194, 0.3122



Tritanopia

70.5958, 0.3093, 0.3109

Trichromacy



Original Color

70.6653, 0.3118, 0.3172

Protanomaly

70.7567, 0.3090, 0.3171

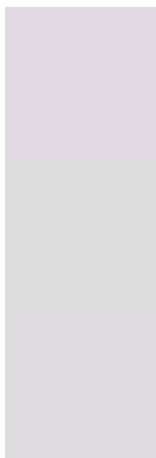
Deuteranomaly

70.3457, 0.3164, 0.3131

Tritanomaly

70.4828, 0.3106, 0.3130

Monochromacy



Original Color

70.6653, 0.3118, 0.3172

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.5203, 0.3122, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6653, 0.3118, 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(225, 216, 227)` looks like.

```
.text, #text, p{  
    color:rgb(225, 216, 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(225, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 216, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.6653, 0.3118, 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(225, 216, 227) }
```

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

```
.border{ border-color:rgb(225, 216, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 216, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(225, 216,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6653, 0.3118, 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(225, 216, 227) }
```

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

```
.background{ background-color: rgb(225,  
216, 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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