

Converting Colors

$Y_{xy}(70.2175, 0.3057, 0.3115)$

Have a look what the booklet for
Yxy(70.2175, 0.3057, 0.3115)
contains.

Yxy(70.3101, 0.3057, 0.3118)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.3101, 0.3057, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	DDD8E8
RGB	221, 216, 232
RGB Percent	87%, 85%, 91%
CMY	0.1333, 0.1529, 0.0903
CMYK	0.05, 0.07, 0.00, 0.09
HSL	259°, 26%, 88%
HSV	259°, 7%, 91%
XYZ	68.9346, 70.3101, 86.2528
YIQ	219.3190, -2.1560, 6.0360

Conversions

Conversions Part 2

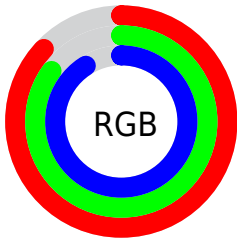
Format	Color
R _Y B	221, 216, 232
Decimal	14538984
CIE Lab	87.15, 4.62, -7.21
CIE LCh	87, 8.568, 302.666
Yxy	70.3101, 0.3057, 0.3118
Android (android.graphics.Color)	4292729064 (0xFFDDD8E8)
YUV	219.3190, 6.2517, 1.4742
Hunter-Lab	83.8511, 0.0066, -2.2924

Details

The Yxy color `70.3101, 0.3057, 0.3118` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78.9776, 0.3194, 0.3460`, and the grayscale version is `71.0284, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.7313, 0.3044, 0.3079` is the 20% darker color. If you saturate the color by 10%, you get `56.8685, 0.2941, 0.2846`, and if you desaturate by 10%, it is `85.6732, 0.3157, 0.3364`.

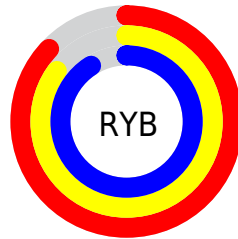
Distribution



Red (87%)

Green (85%)

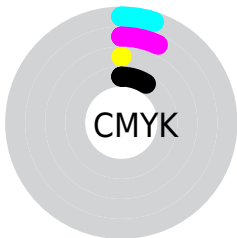
Blue (91%)



Red (87%)

Yellow (85%)

Blue (91%)

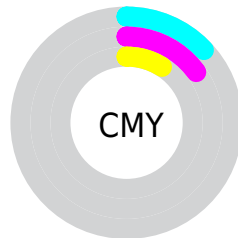


Cyan (5%)

Magenta (7%)

Yellow (0%)

Black (9%)



Cyan (13%)

Magenta (15%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3101, 0.3057, 0.3118 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 70.3101, 0.3057, 0.3118 by changing the saturation by 10% instead.

■ 70.3101, 0.3057,
0.3118

■ 70.3101, 0.3057,
0.3118

461.6381, 0.3090,
0.3197

■ 51.7794, 0.3049,
0.3100

119.6509, 0.3069,
0.3146

■ 36.8293, 0.3040,
0.3078

151.2297, 0.3073,
0.3156

■ 25.0753, 0.3028,
0.3049

187.9267, 0.3077,
0.3165

■ 16.1332, 0.3012,
0.3012

230.1263, 0.3080,
0.3173

■ 9.6184, 0.2989,
0.2962

278.2128, 0.3083,
0.3181

■ 5.1467, 0.2957,
0.2890

332.5707, 0.3086,

■ 2.3336, 0.2904,

0.3187

0.2777

393.5843, 0.3088,
0.3192

0.7914, 0.2809,
0.2569

0.0000, 0.0000,
0.0000

70.3101, 0.3057,
0.3118

70.3101, 0.3057,
0.3118

56.8685, 0.2941,
0.2846

85.6732, 0.3157,
0.3364

45.2629, 0.2809,
0.2549

98.2059, 0.3248,
0.3514

35.4145, 0.2660,
0.2234

98.6041, 0.3262,
0.3513

27.2356, 0.2499,
0.1911

■ 20.6302, 0.2328,
0.1593

■ 15.4926, 0.2157,
0.1300

■ 11.7037, 0.1996,
0.1051

■ 9.1246, 0.1853,
0.0863

■ 7.5792, 0.1736,
0.0742

Harmonies

Analogous

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



70.3101, 0.2972, 0.3118



70.3101, 0.3057, 0.3118



70.3101, 0.3162, 0.3162

Triad

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



70.3101, 0.3057, 0.3118



70.3101, 0.3330, 0.3412



70.3101, 0.2996, 0.3341

Complementary

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



70.3101, 0.3057, 0.3118



78.9776, 0.3194, 0.3460

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.



70.3101, 0.3090, 0.3424



70.3101, 0.3057, 0.3118



70.3101, 0.3283, 0.3464

Square

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



70.3101, 0.3057, 0.3118



70.3101, 0.3321, 0.3329



70.3101, 0.3195, 0.3469



70.3101, 0.2937, 0.3246

Rectangle

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



70.3101, 0.3057, 0.3118



70.3101, 0.3230, 0.3210



70.3101, 0.3195, 0.3469



70.3101, 0.3024, 0.3372

Sweetspot

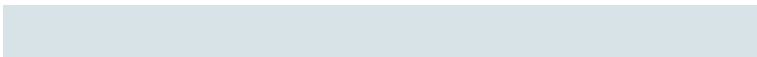
The Sweet Spot groups the original color and five complimentary colors.



70.3131, 0.3057, 0.3118



96.1302, 0.3107, 0.3241



75.4597, 0.3021, 0.3238



20.6164, 0.3108, 0.3244



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.



70.3131, 0.3057, 0.3118



85.1044, 0.3044, 0.3088



71.5620, 0.3112, 0.3121



14.1046, 0.3029, 0.3050



4.0692, 0.1720, 0.0721



0.3486, 0.1877, 0.0808

Inverse Universe

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



71.8117, 0.3169, 0.3174



87.2640, 0.3176, 0.3154



77.7418, 0.3141, 0.3463



14.5345, 0.3185, 0.3130



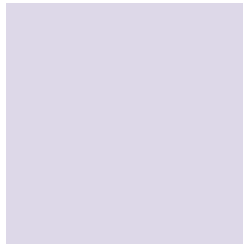
10.9470, 0.4191, 0.2082



0.8255, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 70.3101, 0.3057, 0.3118 looks on a white background.

Color Contrast Check

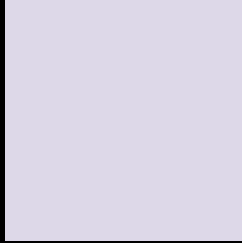
Large Text (above 18pt) WCAG AA × Fail

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 70.3101, 0.3057, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

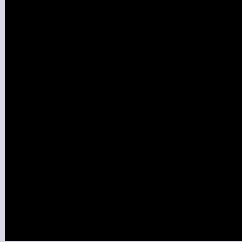
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

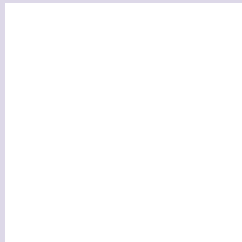
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3101, 0.3057, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 70.3101, 0.3057, 0.3118.

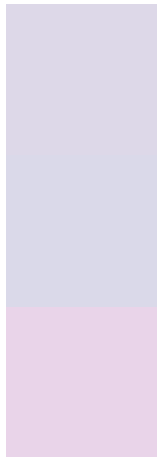


This preview shows how white text looks on a background with the Yxy color 70.3101, 0.3057, 0.3118.

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

70.3101, 0.3057, 0.3118

Protanopia

70.4143, 0.3029, 0.3117

Deuteranopia

70.2938, 0.3138, 0.3069



Tritanopia

70.3671, 0.3050, 0.3107

Trichromacy



Original Color

70.3101, 0.3057, 0.3118

Protanomaly

70.5690, 0.3036, 0.3117

Deuteranomaly

70.1297, 0.3108, 0.3078

Tritanomaly

70.3671, 0.3050, 0.3107

Monochromacy



Original Color

70.3101, 0.3057, 0.3118

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.7403, 0.3102, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3101, 0.3057, 0.3118 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(221, 216, 232) looks like.

```
.text, #text, p{  
    color:rgb(221, 216, 232)  
}
```

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(221, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 216, 232) }
```

Border

The CSS property to change the border of an element to Yxy 70.3101, 0.3057, 0.3118 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(221, 216, 232) }
```

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

```
.border{ border-color:rgb(221, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 216,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3101, 0.3057, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 216, 232) }
```

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

```
.background{ background-color: rgb(221,  
216, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor