

Converting Colors

$Yxy(70.7042, 0.2997, 0.3064)$

Have a look what the booklet for
Yxy(70.7042, 0.2997, 0.3064)
contains.

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Color

Yxy(70.7042, 0.2997, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	DAD9EE
RGB	218, 217, 238
RGB Percent	85%, 85%, 93%
CMY	0.1451, 0.1490, 0.0666
CMYK	0.08, 0.09, 0.00, 0.07
HSL	243°, 38%, 89%
HSV	243°, 9%, 93%
XYZ	69.1581, 70.7042, 90.8955
YIQ	219.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

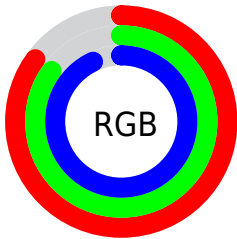
Format	Color
R _Y B	218, 217, 238
Decimal	14342638
CIE Lab	87.34, 4.28, -10.14
CIE LCh	87, 11.009, 292.878
Yxy	70.7042, 0.2997, 0.3064
Android (android.graphics.Color)	4292532718 (0xFFDAD9EE)
YUV	219.6930, 9.0254, -1.4848
Hunter-Lab	84.0858, -0.3391, -5.2316

Details

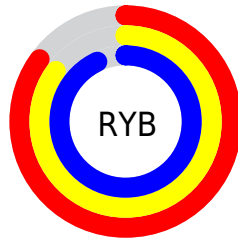
The Yxy color `70.7042, 0.2997, 0.3064` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84.1709, 0.3252, 0.3507`, and the grayscale version is `71.2858, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.0046, 0.2966, 0.3010` is the 20% darker color. If you saturate the color by 10%, you get `56.0486, 0.2830, 0.2776`, and if you desaturate by 10%, it is `87.6136, 0.3143, 0.3318`.

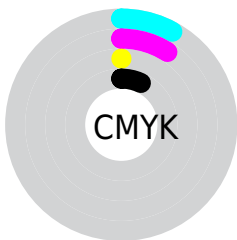
Distribution



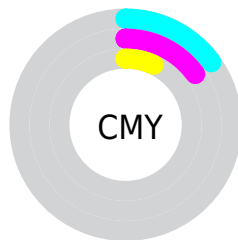
- Red (85%)
- Green (85%)
- Blue (93%)



- Red (85%)
- Yellow (85%)
- Blue (93%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7042, 0.2997, 0.3064 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 70.7042, 0.2997, 0.3064 by changing the saturation by 10% instead.

■ 70.7042, 0.2997,
0.3064

■ 70.7042, 0.2997,
0.3064

463.0187, 0.3058,
0.3168

■ 52.1008, 0.2983,
0.3040

120.2124, 0.3018,
0.3100

■ 37.0855, 0.2966,
0.3011

151.8861, 0.3026,
0.3114

■ 25.2737, 0.2943,
0.2974

188.6854, 0.3033,
0.3126

■ 16.2811, 0.2914,
0.2926

230.9945, 0.3040,
0.3137

■ 9.7233, 0.2874,
0.2861

279.1981, 0.3045,
0.3146

■ 5.2159, 0.2816,
0.2768

333.6804, 0.3050,

■ 2.3745, 0.2724,

0.3154

0.2624

394.8258, 0.3054,
0.3162

■ 0.8127, 0.2557,
0.2369

■ 0.0000, 0.0000,
0.0000

■ 70.7042, 0.2997,
0.3064

■ 70.7042, 0.2997,
0.3064

■ 56.0486, 0.2830,
0.2776

■ 87.6136, 0.3143,
0.3318

■ 43.5431, 0.2644,
0.2457

■ 98.9535, 0.3226,
0.3454

■ 33.0893, 0.2441,
0.2113

■ 24.5776, 0.2230,
0.1759

■ 17.8882, 0.2023,
0.1414

■ 12.8881, 0.1834,
0.1106

■ 9.4262, 0.1680,
0.0860

■ 7.3243, 0.1573,
0.0695

■ 6.3266, 0.1515,
0.0613

Harmonies

Analogous

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



70.7042, 0.2904, 0.3083



70.7042, 0.2997, 0.3064



70.7042, 0.3127, 0.3103

Triad

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



70.7042, 0.2997, 0.3064



70.7042, 0.3392, 0.3414



70.7042, 0.2994, 0.3394

Complementary

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



70.7042, 0.2997, 0.3064



84.1709, 0.3252, 0.3507

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.



70.7042, 0.3123, 0.3488



70.7042, 0.2997, 0.3064



70.7042, 0.3354, 0.3497

Square

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



70.7042, 0.2997, 0.3064



70.7042, 0.3357, 0.3301



70.7042, 0.3255, 0.3525



70.7042, 0.2902, 0.3272

Rectangle

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



70.7042, 0.2997, 0.3064



70.7042, 0.3217, 0.3156



70.7042, 0.3255, 0.3525



70.7042, 0.3035, 0.3430

Sweetspot

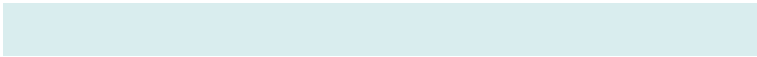
The Sweet Spot groups the original color and five complimentary colors.



70.7072, 0.2997, 0.3064



93.8593, 0.3085, 0.3216



81.6725, 0.2991, 0.3282



19.7473, 0.3073, 0.3196



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.



70.7072, 0.2997, 0.3064



78.6691, 0.2962, 0.3003



72.3303, 0.3068, 0.3069



15.2642, 0.2987, 0.3046



3.4997, 0.1515, 0.0608



0.3036, 0.1553, 0.0629

Inverse Universe

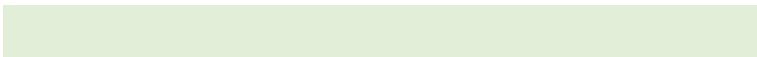
The Inverse Universe completely reimagines the original color for something new.



73.9229, 0.3144, 0.3084



83.3060, 0.3148, 0.3031



82.4627, 0.3182, 0.3512



16.0178, 0.3145, 0.3068



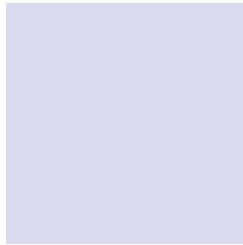
13.2344, 0.3331, 0.1608



1.1049, 0.3313, 0.1599

Previews

White Background



This preview shows how the Yxy color 70.7042, 0.2997, 0.3064 looks on a white background.

Color Contrast Check

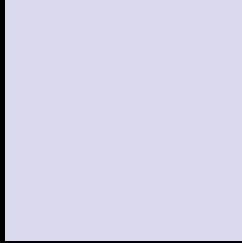
Large Text (above 18pt) WCAG AA × Fail

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 70.7042, 0.2997, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

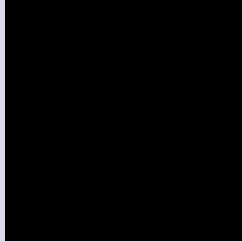
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7042, 0.2997, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 70.7042, 0.2997, 0.3064.

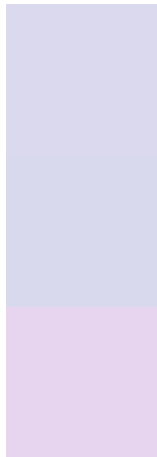


This preview shows how white text looks on a background with the Yxy color 70.7042, 0.2997, 0.3064.

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

70.7042, 0.2997, 0.3064

Protanopia

70.5505, 0.2990, 0.3064

Deuteranopia

70.8094, 0.3082, 0.3018



Tritanopia

70.8927, 0.3009, 0.3106

Trichromacy



Original Color

70.7042, 0.2997, 0.3064

Protanomaly

70.5505, 0.2990, 0.3064

Deuteranomaly

70.4939, 0.3047, 0.3025

Tritanomaly

70.9506, 0.3003, 0.3096

Monochromacy



Original Color

70.7042, 0.2997, 0.3064

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.2692, 0.3075, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7042, 0.2997, 0.3064 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(218, 217, 238)` looks like.

```
.text, #text, p{  
    color:rgb(218, 217, 238)  
}
```

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(218, 217, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 217, 238) }
```

Border

The CSS property to change the border of an element to Yxy 70.7042, 0.2997, 0.3064 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(218, 217, 238) }
```

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

```
.border{ border-color:rgb(218, 217, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 217, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 217, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 217, 238);  
box-shadow:4px 4px 4px 4px rgb(218, 217,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7042, 0.2997, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 217, 238) }
```

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

```
.background{ background-color: rgb(218,  
217, 238) }
```

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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