

Converting Colors

$Yxy(72.2557, 0.2998, 0.3072)$

Have a look what the booklet for
Yxy(72.2557, 0.2998, 0.3072)
contains.

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Color

Yxy(72.1700, 0.2998, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	DCDBF0
RGB	220, 219, 240
RGB Percent	86%, 86%, 94%
CMY	0.1373, 0.1411, 0.0588
CMYK	0.08, 0.09, 0.00, 0.06
HSL	243°, 41%, 90%
HSV	243°, 9%, 94%
XYZ	70.5694, 72.1700, 92.6488
YIQ	221.6930, -6.1450, 6.7430

Conversions

Conversions Part 2

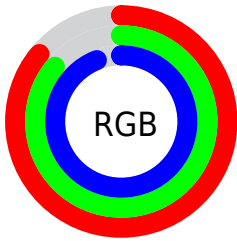
Format	Color
R _Y B	220, 219, 240
Decimal	14474224
CIE Lab	88.05, 4.26, -10.12
CIE LCh	88, 10.984, 292.828
Yxy	72.1700, 0.2998, 0.3066
Android (android.graphics.Color)	4292664304 (0xFFDCDBF0)
YUV	221.6930, 9.0254, -1.4848
Hunter-Lab	84.9529, -0.3899, -5.1940

Details

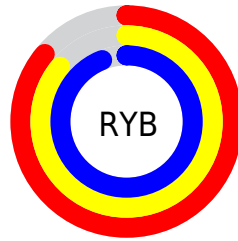
The Yxy color **72.1700, 0.2998, 0.3066** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85.7932, 0.3251, 0.3505**, and the grayscale version is **72.7573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0109, 0.2968, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **57.2083, 0.2831, 0.2778**, and if you desaturate by 10%, it is **89.4325, 0.3144, 0.3320**.

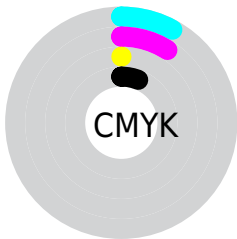
Distribution



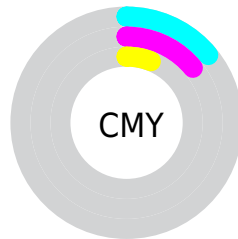
- Red (86%)
- Green (86%)
- Blue (94%)



- Red (86%)
- Yellow (86%)
- Blue (94%)



- Cyan (8%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (14%)
- Magenta (14%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1700, 0.2998, 0.3066 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 72.1700, 0.2998, 0.3066 by changing the saturation by 10% instead.

■ 72.1700, 0.2998,
0.3066

■ 72.1700, 0.2998,
0.3066

468.1331, 0.3058,
0.3169

■ 53.2976, 0.2984,
0.3043

122.2982, 0.3019,
0.3101

■ 38.0404, 0.2967,
0.3014

154.3227, 0.3027,
0.3115

■ 26.0140, 0.2945,
0.2978

191.5001, 0.3034,
0.3127

■ 16.8341, 0.2917,
0.2931

234.2147, 0.3040,
0.3138

■ 10.1163, 0.2878,
0.2868

282.8509, 0.3045,
0.3147

■ 5.4761, 0.2821,
0.2777

337.7931, 0.3050,

■ 2.5292, 0.2732,

0.3155

0.2638

399.4257, 0.3054,
0.3162

0.8912, 0.2572,
0.2398

0.0000, 0.0000,
0.0000

72.1700, 0.2998,
0.3066

72.1700, 0.2998,
0.3066

57.2083, 0.2831,
0.2778

89.4325, 0.3144,
0.3320

44.4416, 0.2644,
0.2459

99.0713, 0.3214,
0.3434

33.7693, 0.2442,
0.2115

25.0797, 0.2230,
0.1760

■ 18.2504, 0.2023,
0.1416

■ 13.1457, 0.1834,
0.1107

■ 9.6113, 0.1680,
0.0861

■ 7.4654, 0.1572,
0.0696

■ 6.4493, 0.1515,
0.0613

Harmonies

Analogous

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



72.1700, 0.2906, 0.3085



72.1700, 0.2998, 0.3066



72.1700, 0.3127, 0.3104

Triad

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



72.1700, 0.2998, 0.3066



72.1700, 0.3390, 0.3412



72.1700, 0.2996, 0.3393

Complementary

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



72.1700, 0.2998, 0.3066



85.7932, 0.3251, 0.3505

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.



72.1700, 0.3123, 0.3486



72.1700, 0.2998, 0.3066



72.1700, 0.3352, 0.3495

Square

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



72.1700, 0.2998, 0.3066



72.1700, 0.3355, 0.3301



72.1700, 0.3254, 0.3523



72.1700, 0.2904, 0.3272

Rectangle

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



72.1700, 0.2998, 0.3066



72.1700, 0.3216, 0.3157



72.1700, 0.3254, 0.3523



72.1700, 0.3036, 0.3429

Sweetspot

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



72.1730, 0.2998, 0.3066



93.8578, 0.3084, 0.3216



83.2632, 0.2992, 0.3282



19.7469, 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.



72.1730, 0.2998, 0.3066



80.4701, 0.2978, 0.3031



73.8181, 0.3069, 0.3071



15.2634, 0.2987, 0.3046



3.4984, 0.1514, 0.0608



0.3031, 0.1551, 0.0628

Inverse Universe

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



75.4293, 0.3144, 0.3085



84.7205, 0.3146, 0.3055



84.0624, 0.3182, 0.3510



16.0181, 0.3145, 0.3068



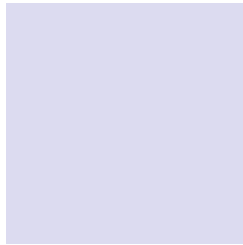
13.2425, 0.3328, 0.1607



1.1055, 0.3311, 0.1597

Previews

White Background



This preview shows how the Yxy color 72.1700, 0.2998, 0.3066 looks on a white background.

Color Contrast Check

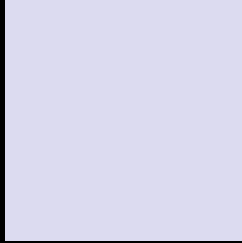
Large Text (above 18pt) WCAG AA × Fail

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 72.1700, 0.2998, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

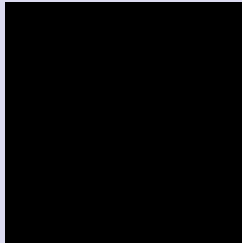
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1700, 0.2998, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 72.1700, 0.2998, 0.3066.

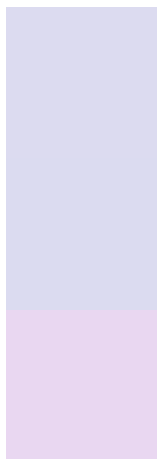


This preview shows how white text looks on a background with the Yxy color 72.1700, 0.2998, 0.3066.

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

72.1700, 0.2998, 0.3066

Protanopia

72.0144, 0.2991, 0.3065

Deuteranopia

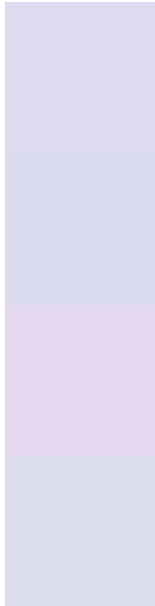
72.2754, 0.3083, 0.3020



Tritanopia

72.3609, 0.3010, 0.3108

Trichromacy



Original Color

72.1700, 0.2998, 0.3066

Protanomaly

72.0144, 0.2991, 0.3065

Deuteranomaly

71.9566, 0.3047, 0.3028

Tritanomaly

72.4195, 0.3004, 0.3097

Monochromacy



Original Color

72.1700, 0.2998, 0.3066

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.7422, 0.3075, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1700, 0.2998, 0.3066 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(220, 219, 240)` looks like.

```
.text, #text, p{  
    color:rgb(220, 219, 240)  
}
```

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(220, 219, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 219, 240) }
```

Border

The CSS property to change the border of an element to Yxy 72.1700, 0.2998, 0.3066 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(220, 219, 240) }
```

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

```
.border{ border-color:rgb(220, 219, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 219, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 219, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 219, 240);  
box-shadow:4px 4px 4px 4px rgb(220, 219,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1700, 0.2998, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 219, 240) }
```

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

```
.background{ background-color: rgb(220,  
219, 240) }
```

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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