

Converting Colors

$Yxy(71.6687, 0.2779, 0.2670)$

Have a look what the booklet for
Yxy(71.6687, 0.2779, 0.2670)
contains.

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Color

Yxy(70.3732, 0.2897, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	DBD6FF
RGB	219, 214, 255
RGB Percent	86%, 84%, 100%
CMY	0.1413, 0.1608, 0.0000
CMYK	0.14, 0.16, 0.00, 0.00
HSL	247°, 100%, 92%
HSV	247°, 16%, 100%
XYZ	71.3086, 70.3732, 104.4644
YIQ	220.1690, -10.1810, 13.8110

Conversions

Conversions Part 2

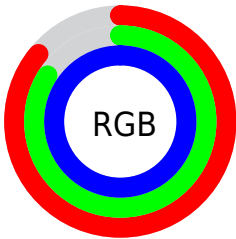
Format	Color
R _{YB}	219, 214, 255
Decimal	14407423
CIE Lab	87.18, 9.59, -19.36
CIE LCh	87, 21.606, 296.350
Yxy	70.3732, 0.2897, 0.2859
Android (android.graphics.Color)	4292597503 (0xFFDBD6FF)
YUV	220.1690, 17.1717, -1.0252
Hunter-Lab	83.8887, 4.9264, -15.1102

Details

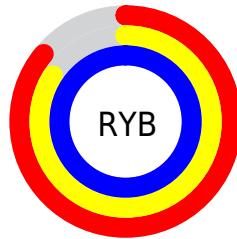
The Yxy color **70.3732, 0.2897, 0.2859** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.7058, 0.3337, 0.3695**, and the grayscale version is **71.5748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.7660, 0.2846, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **55.2156, 0.2729, 0.2551**, and if you desaturate by 10%, it is **88.0199, 0.3046, 0.3137**.

Distribution



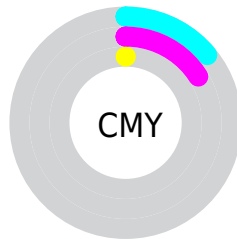
- Red (86%)
- Green (84%)
- Blue (100%)



- Red (86%)
- Yellow (84%)
- Blue (100%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3732, 0.2897, 0.2859 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 70.3732, 0.2897, 0.2859 by changing the saturation by 10% instead.

70.3732, 0.2897,
0.2859

70.3732, 0.2897,
0.2859

461.8593, 0.3005,
0.3055

51.8308, 0.2872,
0.2815

119.7408, 0.2935,
0.2926

36.8703, 0.2841,
0.2762

151.3349, 0.2949,
0.2952

25.1071, 0.2802,
0.2695

188.0482, 0.2962,
0.2975

16.1568, 0.2751,
0.2609

230.2654, 0.2973,
0.2995

9.6352, 0.2681,
0.2494

278.3707, 0.2982,
0.3013

5.1578, 0.2580,
0.2335

332.7485, 0.2991,

2.3401, 0.2423,

0.3028

0.2098

393.7832, 0.2998,
0.3042

0.7948, 0.2154,
0.1715

0.0000, 0.0000,
0.0000

70.3732, 0.2897,
0.2859

70.3732, 0.2897,
0.2859

55.2156, 0.2729,
0.2551

88.0199, 0.3046,
0.3137

42.4337, 0.2542,
0.2218

100.0000, 0.3127,
0.3290

31.9068, 0.2344,
0.1871

23.5033, 0.2141,
0.1528

■ 17.0779, 0.1948,
0.1211

■ 12.4668, 0.1779,
0.0947

■ 9.4795, 0.1646,
0.0755

■ 7.8821, 0.1559,
0.0646

■ 7.5096, 0.1536,
0.0620

Harmonies

Analogous

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



70.3732, 0.2709, 0.2877



70.3732, 0.2897, 0.2859



70.3732, 0.3154, 0.2946

Triad

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



70.3732, 0.2897, 0.2859



70.3732, 0.3650, 0.3546



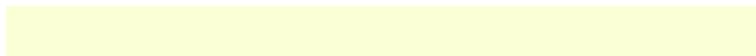
70.3732, 0.2841, 0.3469

Complementary

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



70.3732, 0.2897, 0.2859



96.7058, 0.3337, 0.3695

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.



70.3732, 0.3084, 0.3672



70.3732, 0.2897, 0.2859



70.3732, 0.3555, 0.3706

Square

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



70.3732, 0.2897, 0.2859



70.3732, 0.3598, 0.3331



70.3732, 0.3346, 0.3758



70.3732, 0.2677, 0.3219

Rectangle

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



70.3732, 0.2897, 0.2859



70.3732, 0.3331, 0.3052



70.3732, 0.3346, 0.3758



70.3732, 0.2915, 0.3546

Sweetspot

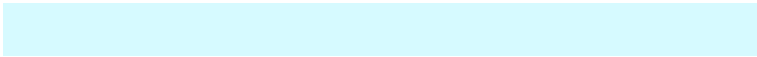
The Sweet Spot groups the original color and five complimentary colors.



70.3736, 0.2897, 0.2859



90.0695, 0.3061, 0.3165



90.0240, 0.2881, 0.3240



18.9911, 0.3051, 0.3147



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.



70.3736, 0.2897, 0.2859



65.6873, 0.2850, 0.2772



73.7182, 0.3036, 0.2877



17.4831, 0.2997, 0.3045



3.9568, 0.1543, 0.0624



0.4172, 0.1618, 0.0665

Inverse Universe

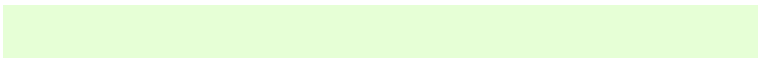
The Inverse Universe completely reimagines the original color for something new.



76.2618, 0.3179, 0.2937



72.5156, 0.3190, 0.2871



93.1525, 0.3205, 0.3712



18.2602, 0.3157, 0.3084



13.9390, 0.3541, 0.1724



1.3674, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 70.3732, 0.2897, 0.2859 looks on a white background.

Color Contrast Check

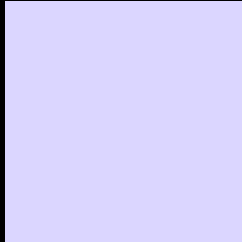
Large Text (above 18pt) WCAG AA × Fail

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 70.3732, 0.2897, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

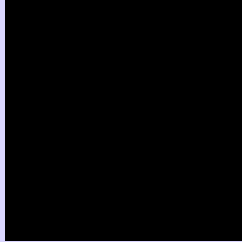
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3732, 0.2897, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 70.3732, 0.2897, 0.2859.

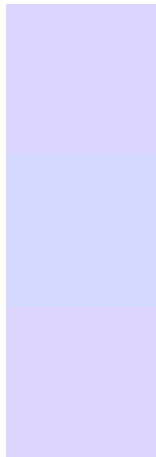


This preview shows how white text looks on a background with the Yxy color 70.3732, 0.2897, 0.2859.

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

70.3732, 0.2897, 0.2859

Protanopia

70.6946, 0.2846, 0.2885

Deuteranopia

70.3381, 0.2917, 0.2851



Tritanopia

70.0709, 0.2995, 0.3094

Trichromacy



Original Color

70.3732, 0.2897, 0.2859

Protanomaly

70.6279, 0.2865, 0.2877

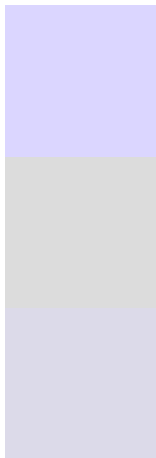
Deuteranomaly

70.1807, 0.2911, 0.2850

Tritanomaly

70.1215, 0.2958, 0.3010

Monochromacy



Original Color

70.3732, 0.2897, 0.2859

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.2416, 0.3043, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3732, 0.2897, 0.2859 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(219, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 255)  
}
```

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(219, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3732, 0.2897, 0.2859 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(219, 214, 255) }
```

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

```
.border{ border-color:rgb(219, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3732, 0.2897, 0.2859$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 255) }
```

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

```
.background{ background-color: rgb(219,  
214, 255) }
```

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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