

Converting Colors

$Y_{xy}(72.2283, 0.3021, 0.2943)$

Have a look what the booklet for
Yxy(72.2283, 0.3021, 0.2943)
contains.

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Color

Yxy(72.3671, 0.3023, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	E7D7F8
RGB	231, 215, 248
RGB Percent	91%, 84%, 97%
CMY	0.0943, 0.1568, 0.0275
CMYK	0.07, 0.13, 0.00, 0.03
HSL	269°, 70%, 91%
HSV	269°, 13%, 97%
XYZ	74.1830, 72.3671, 98.8453
YIQ	223.5460, -1.0570, 13.6550

Conversions

Conversions Part 2

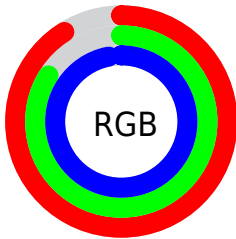
Format	Color
R _Y B	231, 215, 248
Decimal	15194104
CIE Lab	88.14, 11.45, -14.09
CIE LCh	88, 18.161, 309.097
Yxy	72.3671, 0.3023, 0.2949
Android (android.graphics.Color)	4293384184 (0xFFE7D7F8)
YUV	223.5460, 12.0558, 6.5372
Hunter-Lab	85.0689, 6.7878, -9.3435

Details

The Yxy color $72.3671, 0.3023, 0.2949$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $89.1927, 0.3221, 0.3631$, and the grayscale version is $74.1106, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.0613, 0.2991, 0.2863$ is the 20% darker color. If you saturate the color by 10%, you get $58.6278, 0.2929, 0.2669$, and if you desaturate by 10%, it is $88.1827, 0.3103, 0.3209$.

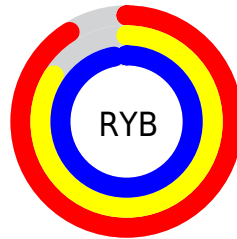
Distribution



Red (91%)

Green (84%)

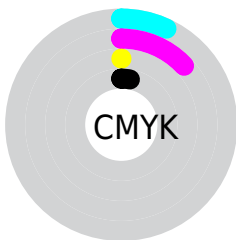
Blue (97%)



Red (91%)

Yellow (84%)

Blue (97%)

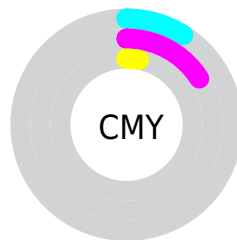


Cyan (7%)

Magenta (13%)

Yellow (0%)

Black (3%)



Cyan (9%)


Magenta (16%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3671, 0.3023, 0.2949 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 72.3671, 0.3023, 0.2949 by changing the saturation by 10% instead.


 72.3671, 0.3023,
0.2949

 72.3671, 0.3023,
0.2949


468.8183, 0.3072,
0.3103

 53.4586, 0.3011,
0.2915


122.5783, 0.3040,
0.3002

 38.1690, 0.2997,
0.2872


154.6498, 0.3047,
0.3023

 26.1139, 0.2979,
0.2820


191.8778, 0.3053,
0.3041

 16.9089, 0.2954,
0.2752

234.6466, 0.3058,
0.3056

 10.1695, 0.2920,
0.2661

283.3407, 0.3062,
0.3070

 5.5115, 0.2871,
0.2535

338.3444, 0.3066,

 2.5504, 0.2792,

0.3082

0.2346

400.0421, 0.3069,
0.3093

■ 0.9018, 0.2647,
0.2036

■ 0.0000, 0.0997,
0.0000

■ 72.3671, 0.3023,
0.2949

■ 72.3671, 0.3023,
0.2949

■ 58.6278, 0.2929,
0.2669

■ 88.1827, 0.3103,
0.3209

■ 46.8664, 0.2822,
0.2373

■ 99.5559, 0.3168,
0.3357

■ 36.9901, 0.2702,
0.2071

■ 28.8951, 0.2572,
0.1773

■ 22.4667, 0.2435,
0.1495

■ 17.5767, 0.2298,
0.1253

■ 14.0772, 0.2166,
0.1060

■ 11.7889, 0.2046,
0.0924

■ 10.7572, 0.1973,
0.0861

Harmonies

Analogous

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



72.3671, 0.2835, 0.2926



72.3671, 0.3023, 0.2949



72.3671, 0.3245, 0.3055

Triad

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



72.3671, 0.3023, 0.2949



72.3671, 0.3543, 0.3571



72.3671, 0.2820, 0.3352

Complementary

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



72.3671, 0.3023, 0.2949



89.1927, 0.3221, 0.3631

Split Complementary

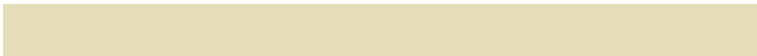
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.3671, 0.3001, 0.3544



72.3671, 0.3023, 0.2949



72.3671, 0.3420, 0.3668

Square

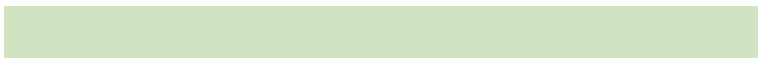
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3671, 0.3023, 0.2949



72.3671, 0.3552, 0.3406



72.3671, 0.3220, 0.3661



72.3671, 0.2721, 0.3150

Rectangle

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



72.3671, 0.3023, 0.2949



72.3671, 0.3383, 0.3160



72.3671, 0.3220, 0.3661



72.3671, 0.2872, 0.3421

Sweetspot

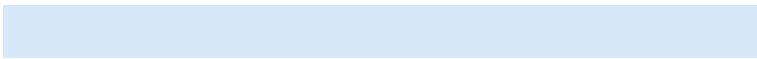
The Sweet Spot groups the original color and five complimentary colors.



72.3702, 0.3023, 0.2949



92.6779, 0.3098, 0.3191



79.2781, 0.2919, 0.3128



19.5510, 0.3092, 0.3172



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.



72.3702, 0.3023, 0.2949



72.8928, 0.2999, 0.2874



75.1417, 0.3135, 0.2961



17.0546, 0.3055, 0.3050



5.8949, 0.1990, 0.0870



0.6088, 0.2119, 0.0941

Inverse Universe

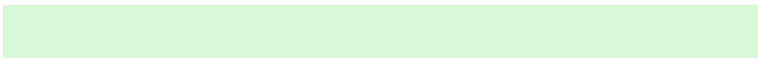
The Inverse Universe completely reimagines the original color for something new.



74.3952, 0.3251, 0.3118



75.4690, 0.3281, 0.3081



86.6459, 0.3118, 0.3641



17.3750, 0.3213, 0.3168



11.6531, 0.4891, 0.2468



1.1007, 0.4635, 0.2327

Previews

White Background



This preview shows how the Yxy color 72.3671, 0.3023, 0.2949 looks on a white background.

Color Contrast Check

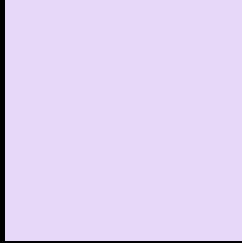
Large Text (above 18pt) WCAG AA × Fail

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 72.3671, 0.3023, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

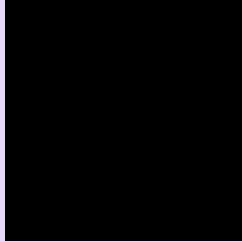
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

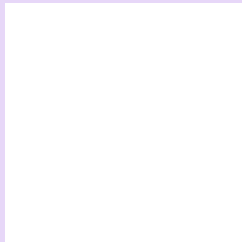
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.3671, 0.3023, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 72.3671, 0.3023, 0.2949.

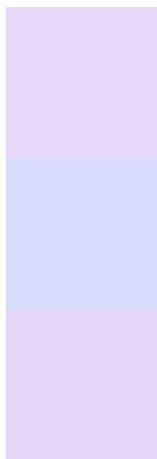


This preview shows how white text looks on a background with the Yxy color 72.3671, 0.3023, 0.2949.

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

72.3671, 0.3023, 0.2949

Protanopia

72.2270, 0.2903, 0.2951

Deuteranopia

72.2012, 0.3016, 0.2948



Tritanopia

72.2242, 0.3100, 0.3111

Trichromacy



Original Color

72.3671, 0.3023, 0.2949

Protanomaly

72.4171, 0.2943, 0.2954

Deuteranomaly

72.2012, 0.3016, 0.2948

Tritanomaly

72.1667, 0.3074, 0.3049

Monochromacy



Original Color

72.3671, 0.3023, 0.2949

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

73.9270, 0.3091, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3671, 0.3023, 0.2949 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(231, 215, 248)` looks like.

```
.text, #text, p{  
    color:rgb(231, 215, 248)  
}
```

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(231, 215, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 215, 248) }
```

Border

The CSS property to change the border of an element to Yxy 72.3671, 0.3023, 0.2949 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(231, 215, 248) }
```

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

```
.border{ border-color:rgb(231, 215, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 215, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 215, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 215, 248);  
box-shadow:4px 4px 4px 4px rgb(231, 215,  
248) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3671, 0.3023, 0.2949$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 215, 248) }
```

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

```
.background{ background-color: rgb(231,  
215, 248) }
```

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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