

Converting Colors

$Y_{xy}(48.9972, 0.2819, 0.2682)$

Have a look what the booklet for
Yxy(48.9972, 0.2819, 0.2682)
contains.

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Color

Yxy(49.2309, 0.2822, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	BDB4E7
RGB	189, 180, 231
RGB Percent	74%, 71%, 91%
CMY	0.2586, 0.2942, 0.0941
CMYK	0.18, 0.22, 0.00, 0.09
HSL	251°, 52%, 81%
HSV	251°, 22%, 91%
XYZ	51.7429, 49.2309, 82.3815
YIQ	188.5050, -11.0070, 17.7690

Conversions

Conversions Part 2

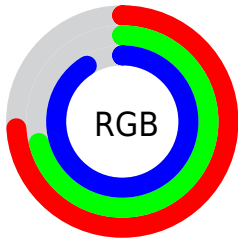
Format	Color
RYB	189, 180, 231
Decimal	12432615
CIELab	75.59, 13.46, -24.32
CIELCh	76, 27.797, 298.958
Yxy	49.2309, 0.2822, 0.2685
Android (android.graphics.Color)	4290622695 (0xFFBDB4E7)
YUV	188.5050, 20.9500, 0.4341
Hunter-Lab	70.1647, 8.8462, -20.4980

Details

The Yxy color $49.2309, 0.2822, 0.2685$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $75.9696, 0.3393, 0.3852$, and the grayscale version is $50.4801, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.8037, 0.3077, 0.3104$, and $23.4248, 0.2738, 0.2533$ is the 20% darker color. If you saturate the color by 10%, you get $38.3984, 0.2654, 0.2367$, and if you desaturate by 10%, it is $61.9397, 0.2971, 0.2977$.

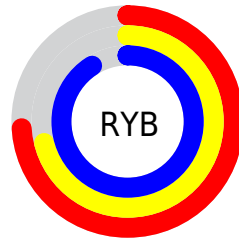
Distribution



Red (74%)

Green (71%)

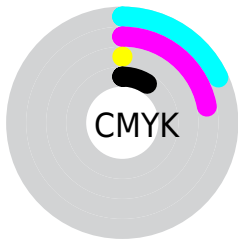
Blue (91%)



Red (74%)

Yellow (71%)

Blue (91%)

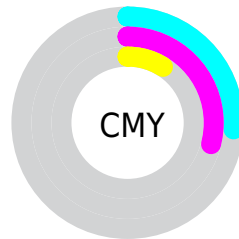


Cyan (18%)

Magenta (22%)

Yellow (0%)

Black (9%)



Cyan (26%)

Magenta (29%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2309, 0.2822, 0.2685 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 49.2309, 0.2822, 0.2685 by changing the saturation by 10% instead.

■ 49.2309, 0.2822,
0.2685

■ 49.2309, 0.2822,
0.2685

383.6506, 0.2974,
0.2973

■ 34.8027, 0.2784,
0.2617

■ 89.0343, 0.2877,
0.2787

■ 23.5109, 0.2736,
0.2533

115.1783, 0.2898,
0.2826

■ 14.9712, 0.2673,
0.2425

145.9963, 0.2916,
0.2859

■ 8.7992, 0.2587,
0.2282

181.8727, 0.2931,
0.2888

■ 4.6104, 0.2463,
0.2085

223.1919, 0.2944,
0.2913

■ 2.0206, 0.2270,
0.1800

270.3384, 0.2955,

■ 0.6194, 0.1951,

0.2936

0.1314

323.6965, 0.2965,
0.2956

0.0000, 0.0000,
0.0000

49.2309, 0.2822,
0.2685

49.2309, 0.2822,
0.2685

38.3984, 0.2654,
0.2367

61.9397, 0.2971,
0.2977

29.3470, 0.2472,
0.2032

76.6021, 0.3102,
0.3239

21.9822, 0.2279,
0.1693

93.2981, 0.3215,
0.3471

16.1979, 0.2088,
0.1369

98.5500, 0.3268,
0.3522

11.8764, 0.1908,
0.1084

■ 8.8826, 0.1755,
0.0859

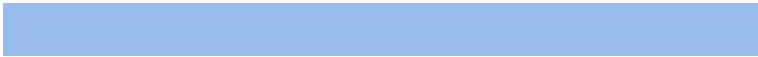
■ 7.0559, 0.1637,
0.0709

■ 6.2433, 0.1572,
0.0640

Harmonies

Analogous

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



49.2309, 0.2547, 0.2690



49.2309, 0.2822, 0.2685



49.2309, 0.3195, 0.2820

Triad

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



49.2309, 0.2822, 0.2685



49.2309, 0.3882, 0.3670



49.2309, 0.2687, 0.3519

Complementary

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



49.2309, 0.2822, 0.2685



75.9696, 0.3393, 0.3852

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.



49.2309, 0.3025, 0.3836



49.2309, 0.2822, 0.2685



49.2309, 0.3722, 0.3901

Square

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



49.2309, 0.2822, 0.2685



49.2309, 0.3828, 0.3366



49.2309, 0.3405, 0.3975



49.2309, 0.2472, 0.3148

Rectangle

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



49.2309, 0.2822, 0.2685



49.2309, 0.3452, 0.2973



49.2309, 0.3405, 0.3975



49.2309, 0.2789, 0.3638

Sweetspot

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



49.2329, 0.2822, 0.2685



86.4575, 0.3040, 0.3113



67.9820, 0.2792, 0.3191



18.2680, 0.3032, 0.3097



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.



49.2329, 0.2822, 0.2685



54.4609, 0.2739, 0.2527



52.7025, 0.3016, 0.2718



14.0098, 0.3008, 0.3049



3.5376, 0.1582, 0.0645



0.2976, 0.1709, 0.0715

Inverse Universe

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



54.8968, 0.3224, 0.2834



62.8972, 0.3250, 0.2727



72.3201, 0.3215, 0.3885



14.5689, 0.3165, 0.3099



11.6229, 0.3716, 0.1821



0.8705, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 49.2309, 0.2822, 0.2685 looks on a white background.

Color Contrast Check

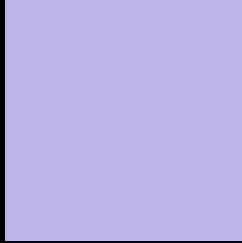
Large Text (above 18pt) WCAG AA × Fail

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 49.2309, 0.2822, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

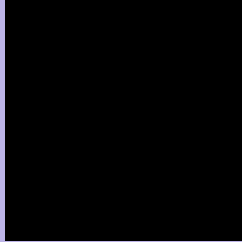
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2309, 0.2822, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 49.2309, 0.2822, 0.2685.



This preview shows how white text looks on a background with the Yxy color 49.2309, 0.2822, 0.2685.

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

49.2309, 0.2822, 0.2685

Protanopia

49.2202, 0.2696, 0.2684

Deuteranopia

49.1705, 0.2771, 0.2701



Tritanopia

49.4783, 0.3005, 0.3114

Trichromacy



Original Color

49.2309, 0.2822, 0.2685

Protanomaly

49.3339, 0.2737, 0.2688

Deuteranomaly

49.1316, 0.2792, 0.2692

Tritanomaly

49.4232, 0.2940, 0.2957

Monochromacy



Original Color

49.2309, 0.2822, 0.2685

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.2963, 0.3015, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2309, 0.2822, 0.2685 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(189, 180, 231)` looks like.

```
.text, #text, p{  
    color:rgb(189, 180, 231)  
}
```

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(189, 180, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 180, 231) }
```

Border

The CSS property to change the border of an element to Yxy 49.2309, 0.2822, 0.2685 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(189, 180, 231) }
```

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

```
.border{ border-color:rgb(189, 180, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 180, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 180, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 180, 231);  
box-shadow:4px 4px 4px 4px rgb(189, 180,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2309, 0.2822, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 180, 231) }
```

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

```
.background{ background-color: rgb(189,  
180, 231) }
```

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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