

Converting Colors

$Y_{xy}(49.9270, 0.2960, 0.2643)$

Have a look what the booklet for
Yxy(49.9270, 0.2960, 0.2643)
contains.

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Color

Yxy(49.8960, 0.2961, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	D0AFE8
RGB	208, 175, 232
RGB Percent	82%, 69%, 91%
CMY	0.1841, 0.3138, 0.0901
CMYK	0.10, 0.25, 0.00, 0.09
HSL	275°, 55%, 80%
HSV	275°, 25%, 91%
XYZ	55.9205, 49.8960, 83.0404
YIQ	191.3650, 1.3710, 24.7230

Conversions

Conversions Part 2

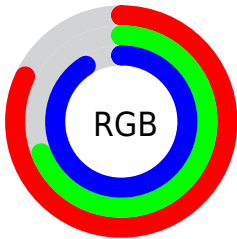
Format	Color
R _Y B	208, 175, 232
Decimal	13676520
CIE Lab	76.01, 22.39, -24.10
CIE LCh	76, 32.897, 312.899
Yxy	49.8960, 0.2961, 0.2642
Android (android.graphics.Color)	4291866600 (0xFFD0AFE8)
YUV	191.3650, 20.0331, 14.5889
Hunter-Lab	70.6371, 17.6963, -20.2549

Details

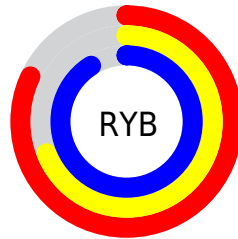
The Yxy color $49.8960, 0.2961, 0.2642$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.9530, 0.3259, 0.3953$, and the grayscale version is $52.2081, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $23.8260, 0.2911, 0.2483$ is the 20% darker color. If you saturate the color by 10%, you get $40.2598, 0.2874, 0.2355$, and if you desaturate by 10%, it is $61.1748, 0.3037, 0.2918$.

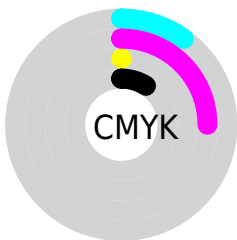
Distribution



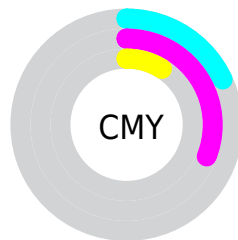
- Red (82%)
- Green (69%)
- Blue (91%)



- Red (82%)
- Yellow (69%)
- Blue (91%)



- Cyan (10%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)





- Cyan (18%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8960, 0.2961, 0.2642 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 49.8960, 0.2961, 0.2642 by changing the saturation by 10% instead.


 49.8960, 0.2961,
0.2642

 49.8960, 0.2961,
0.2642

386.2591, 0.3047,
0.2947

 35.3308, 0.2939,
0.2572


 90.0208, 0.2993,
0.2748

 23.9178, 0.2910,
0.2484


116.3491, 0.3005,
0.2790

 15.2726, 0.2872,
0.2373


147.3672, 0.3015,
0.2825

 9.0110, 0.2818,
0.2228

183.4596, 0.3023,
0.2856

 4.7483, 0.2738,
0.2030

225.0106, 0.3031,
0.2883

 2.1004, 0.2609,
0.1748

272.4046, 0.3037,

 0.6648, 0.2384,

0.2907

0.1293

326.0259, 0.3043,
0.2928

0.0000, 0.0936,
0.0000

0.0000, 0.0000,
0.0000

49.8960, 0.2961,
0.2642

49.8960, 0.2961,
0.2642

40.2598, 0.2874,
0.2355

61.1748, 0.3037,
0.2918

32.1791, 0.2777,
0.2067

74.1651, 0.3101,
0.3178

25.5681, 0.2671,
0.1787

88.9394, 0.3155,
0.3417

20.3297, 0.2558,
0.1531

97.1303, 0.3211,
0.3516

■ 16.3550, 0.2444,
0.1311

■ 98.6072, 0.3262,
0.3512

■ 13.5176, 0.2332,
0.1139

■ 11.6632, 0.2228,
0.1019

■ 10.9392, 0.2174,
0.0971

Harmonies

Analogous

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



49.8960, 0.2578, 0.2567



49.8960, 0.2961, 0.2642



49.8960, 0.3419, 0.2861

Triad

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



49.8960, 0.2961, 0.2642



49.8960, 0.3956, 0.3872



49.8960, 0.2472, 0.3350

Complementary

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



49.8960, 0.2961, 0.2642



72.9530, 0.3259, 0.3953

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.



49.8960, 0.2806, 0.3783



49.8960, 0.2961, 0.2642



49.8960, 0.3665, 0.4079

Square

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



49.8960, 0.2961, 0.2642



49.8960, 0.4017, 0.3541



49.8960, 0.3242, 0.4061



49.8960, 0.2312, 0.2936

Rectangle

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



49.8960, 0.2961, 0.2642



49.8960, 0.3700, 0.3066



49.8960, 0.3242, 0.4061



49.8960, 0.2567, 0.3501

Sweetspot

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



49.8981, 0.2961, 0.2642



87.7404, 0.3086, 0.3116



56.1081, 0.2732, 0.2902



18.5647, 0.3082, 0.3100



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.



49.8981, 0.2961, 0.2642



56.1238, 0.2923, 0.2512



53.4256, 0.3186, 0.2717



14.2978, 0.3071, 0.3054



6.1476, 0.2190, 0.0980



0.5086, 0.2334, 0.1060

Inverse Universe

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



51.9332, 0.3430, 0.3023



59.0877, 0.3504, 0.2971



70.0815, 0.3072, 0.3939



14.4680, 0.3227, 0.3192



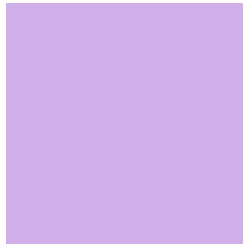
10.0323, 0.5289, 0.2687



0.7596, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 49.8960, 0.2961, 0.2642 looks on a white background.

Color Contrast Check

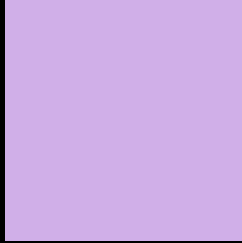
Large Text (above 18pt) WCAG AA × Fail

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 49.8960, 0.2961, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

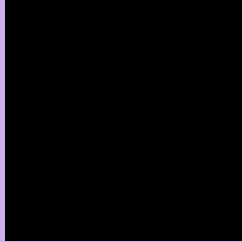
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8960, 0.2961, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 49.8960, 0.2961, 0.2642.



This preview shows how white text looks on a background with the Yxy color 49.8960, 0.2961, 0.2642.

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

49.8960, 0.2961, 0.2642

Protanopia

49.9286, 0.2666, 0.2642

Deuteranopia

50.1845, 0.2794, 0.2739



Tritanopia

49.9980, 0.3186, 0.3120

Trichromacy



Original Color

49.8960, 0.2961, 0.2642

Protanomaly

49.5430, 0.2767, 0.2640

Deuteranomaly

50.1547, 0.2853, 0.2702

Tritanomaly

49.6810, 0.3102, 0.2934

Monochromacy



Original Color

49.8960, 0.2961, 0.2642

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.0245, 0.3065, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8960, 0.2961, 0.2642 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(208, 175, 232)` looks like.

```
.text, #text, p{  
    color:rgb(208, 175, 232)  
}
```

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(208, 175, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 175, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.8960, 0.2961, 0.2642 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(208, 175, 232) }
```

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

```
.border{ border-color:rgb(208, 175, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 175, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 175, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 175, 232);  
box-shadow:4px 4px 4px 4px rgb(208, 175,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8960, 0.2961, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 175, 232) }
```

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

```
.background{ background-color: rgb(208,  
175, 232) }
```

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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