

Converting Colors

$Y_{xy}(49.8712, 0.2942, 0.2643)$

Have a look what the booklet for
Yxy(49.8712, 0.2942, 0.2643)
contains.

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Color

Yxy(49.9987, 0.2945, 0.2651)

Conversions

Conversions Part 1

Format	Color
Hex	CEB0E8
RGB	206, 176, 232
RGB Percent	81%, 69%, 91%
CMY	0.1921, 0.3098, 0.0902
CMYK	0.11, 0.24, 0.00, 0.09
HSL	272°, 55%, 80%
HSV	272°, 24%, 91%
XYZ	55.5436, 49.9987, 83.0608
YIQ	191.3540, -0.0960, 23.7760

Conversions

Conversions Part 2

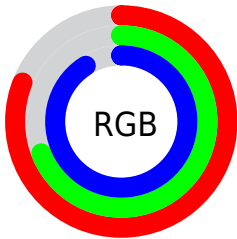
Format	Color
R _Y B	206, 176, 232
Decimal	13545704
CIE Lab	76.07, 21.18, -24.00
CIE LCh	76, 32.011, 311.420
Yxy	49.9987, 0.2945, 0.2651
Android (android.graphics.Color)	4291735784 (0xFFCEB0E8)
YUV	191.3540, 20.0385, 12.8445
Hunter-Lab	70.7098, 16.4725, -20.1495

Details

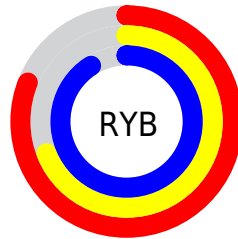
The Yxy color **49.9987, 0.2945, 0.2651** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **73.3997, 0.3274, 0.3936**, and the grayscale version is **52.1992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **23.8798, 0.2890, 0.2493** is the 20% darker color. If you saturate the color by 10%, you get **40.1781, 0.2849, 0.2361**, and if you desaturate by 10%, it is **61.4837, 0.3029, 0.2929**.

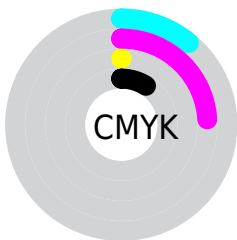
Distribution



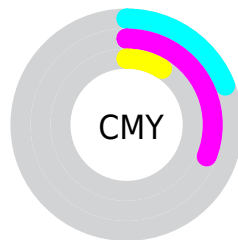
- Red (81%)
- Green (69%)
- Blue (91%)



- Red (81%)
- Yellow (69%)
- Blue (91%)



- Cyan (11%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)




- Cyan (19%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9987, 0.2945, 0.2651 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 49.9987, 0.2945, 0.2651 by changing the saturation by 10% instead.


 49.9987, 0.2945,
0.2651

 49.9987, 0.2945,
0.2651


386.6609, 0.3039,
0.2952

 35.4124, 0.2921,
0.2581


 90.1730, 0.2980,
0.2756

 23.9807, 0.2890,
0.2495


116.5297, 0.2992,
0.2797

 15.3193, 0.2849,
0.2385


147.5786, 0.3003,
0.2832

 9.0438, 0.2792,
0.2241


183.7042, 0.3013,
0.2862

 4.7698, 0.2707,
0.2045

225.2908, 0.3020,
0.2889

 2.1128, 0.2571,
0.1764

272.7229, 0.3027,

 0.6718, 0.2336,

0.2912

0.1312

326.3848, 0.3034,
0.2933

■ 0.0000, 0.0778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.9987, 0.2945,
0.2651

■ 49.9987, 0.2945,
0.2651

■ 40.1781, 0.2849,
0.2361

■ 61.4837, 0.3029,
0.2929

■ 31.9344, 0.2741,
0.2066

■ 74.7023, 0.3101,
0.3189

■ 25.1817, 0.2624,
0.1779

■ 89.7272, 0.3162,
0.3427

■ 19.8229, 0.2501,
0.1513

■ 97.5002, 0.3224,
0.3515

■ 15.7489, 0.2375,
0.1283

■ 98.6058, 0.3262,
0.3513

■ 12.8338, 0.2254,
0.1101

■ 10.9243, 0.2142,
0.0974

■ 10.1332, 0.2081,
0.0920

Harmonies

Analogous

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



49.9987, 0.2577, 0.2586



49.9987, 0.2945, 0.2651



49.9987, 0.3389, 0.2859

Triad

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



49.9987, 0.2945, 0.2651



49.9987, 0.3942, 0.3843



49.9987, 0.2502, 0.3371

Complementary

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



49.9987, 0.2945, 0.2651



73.3997, 0.3274, 0.3936

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.



49.9987, 0.2835, 0.3787



49.9987, 0.2945, 0.2651



49.9987, 0.3670, 0.4052

Square

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



49.9987, 0.2945, 0.2651



49.9987, 0.3988, 0.3518



49.9987, 0.3262, 0.4045



49.9987, 0.2336, 0.2964

Rectangle

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



49.9987, 0.2945, 0.2651



49.9987, 0.3666, 0.3056



49.9987, 0.3262, 0.4045



49.9987, 0.2597, 0.3516

Sweetspot

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



50.0008, 0.2945, 0.2651



87.5974, 0.3081, 0.3115



57.3599, 0.2742, 0.2933



18.5316, 0.3077, 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.



50.0008, 0.2945, 0.2651



55.6088, 0.2898, 0.2506



53.9276, 0.3170, 0.2709



14.2655, 0.3064, 0.3053



5.7017, 0.2097, 0.0929



0.4765, 0.2250, 0.1013

Inverse Universe

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



52.4714, 0.3402, 0.3002



59.2539, 0.3476, 0.2939



70.1490, 0.3084, 0.3949



14.4788, 0.3220, 0.3181



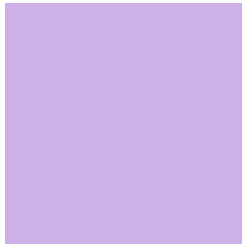
10.1466, 0.5105, 0.2586



0.7684, 0.4757, 0.2394

Previews

White Background



This preview shows how the Yxy color 49.9987, 0.2945, 0.2651 looks on a white background.

Color Contrast Check

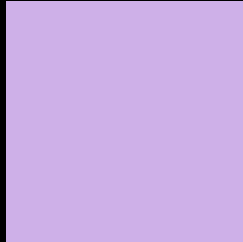
Large Text (above 18pt) WCAG AA × Fail

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 49.9987, 0.2945, 0.2651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

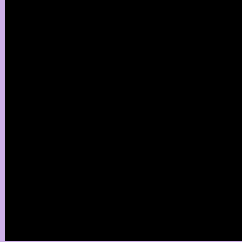
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9987, 0.2945, 0.2651

Background



This preview shows how black text looks on a background with the Yxy color 49.9987, 0.2945, 0.2651.



This preview shows how white text looks on a background with the Yxy color 49.9987, 0.2945, 0.2651.

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

49.9987, 0.2945, 0.2651

Protanopia

50.3485, 0.2668, 0.2655

Deuteranopia

50.1845, 0.2794, 0.2739



Tritanopia

49.7665, 0.3161, 0.3107

Trichromacy



Original Color

49.9987, 0.2945, 0.2651

Protanomaly

49.9511, 0.2768, 0.2652

Deuteranomaly

50.0237, 0.2845, 0.2701

Tritanomaly

49.8522, 0.3077, 0.2932

Monochromacy



Original Color

49.9987, 0.2945, 0.2651

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.3098, 0.3057, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9987, 0.2945, 0.2651 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(206, 176, 232)` looks like.

```
.text, #text, p{  
    color:rgb(206, 176, 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(206, 176, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 176, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.9987, 0.2945, 0.2651 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(206, 176, 232) }
```

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

```
.border{ border-color:rgb(206, 176, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 176, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 176, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 176, 232);  
box-shadow:4px 4px 4px 4px rgb(206, 176,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9987, 0.2945, 0.2651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 176, 232) }
```

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

```
.background{ background-color: rgb(206,  
176, 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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