

Converting Colors

XYZ(50.1865, 47.4822, 62.0568)

Have a look what the booklet for
XYZ(50.1865, 47.4822, 62.0568)
contains.

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Color

**XYZ(49.9600, 47.2945,
61.7539)**

Conversions

Conversions Part 1

Format	Color
Hex	C9AFC9
RGB	201, 175, 201
RGB Percent	79%, 69%, 79%
CMY	0.2118, 0.3137, 0.2118
CMYK	0.00, 0.13, 0.00, 0.21
HSL	300°, 19%, 74%
HSV	300°, 13%, 79%
XYZ	49.9600, 47.2945, 61.7539
YIQ	185.7380, 7.1500, 13.5980

Conversions

Conversions Part 2

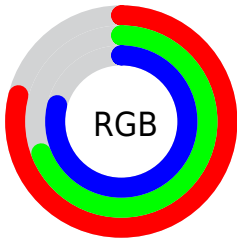
Format	Color
R _Y B	201, 175, 201
Decimal	13217737
CIE Lab	74.38, 13.96, -9.73
CIE LCh	74, 17.015, 325.132
Yxy	47.2945, 0.3142, 0.2974
Android (android.graphics.Color)	4291407817 (0xFFC9AFC9)
YUV	185.7380, 7.5242, 13.3848
Hunter-Lab	68.7710, 9.3255, -5.1006

Details

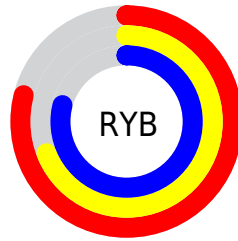
The XYZ color **49.9600, 47.2945, 61.7539** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.3056, 53.9838, 48.5393**, and the grayscale version is **46.4832, 48.9039, 53.2564**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **24.2586, 22.2287, 30.6158** is the 20% darker color. If you saturate the color by 10%, you get **46.3359, 40.0457, 60.5463**, and if you desaturate by 10%, it is **54.1691, 55.7120, 63.1576**.

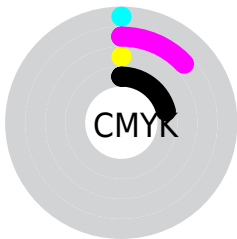
Distribution



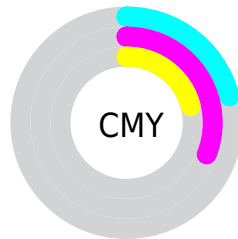
- Red (79%)
- Green (69%)
- Blue (79%)



- Red (79%)
- Yellow (69%)
- Blue (79%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (21%)




- Cyan (21%)
- Magenta (31%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9600, 47.2945, 61.7539 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 XYZ color 49.9600, 47.2945, 61.7539 by changing the saturation by 10% instead.


 49.9600, 47.2945,
61.7539

 49.9600, 47.2945,
61.7539

376.9641,
375.9888, 449.0157

 35.5993, 33.2685,
44.3994

 89.3078, 86.1531,
108.9379

 24.2935, 22.3322,
30.6451


115.0256,
111.7544, 139.6045

 15.6774, 14.1012,
20.0726


145.2597,
141.9830, 175.5455

 9.3856, 8.1911,
12.2632

180.3757,
177.2233, 217.1794

 5.0526, 4.2175,
6.7985

220.7387,
217.8596, 264.9249

 2.3133, 1.7959,
3.2599

266.7142,

 0.8014, 0.4846,

264.2764, 319.2004

1.2288

318.6676,
316.8580, 380.4245

■ 0.0000, 0.0000,
0.0024

■ 0.0000, 0.0000,
0.0000

■ 49.9600, 47.2945,
61.7539

■ 49.9600, 47.2945,
61.7539

■ 46.3359, 40.0457,
60.5463

■ 54.1691, 55.7120,
63.1576

■ 43.2672, 33.9082,
59.5232

■ 58.9832, 65.3401,
64.7625

■ 40.7275, 28.8289,
58.6765

■ 64.4264, 76.2263,
66.5770

■ 38.6870, 24.7480,
57.9962

■ 70.3906, 88.1549,
68.5652

37.1129, 21.5999,
57.4714

70.3907, 88.1549,
68.5654

35.9684, 19.3108,
57.0897

70.3907, 88.1549,
68.5656

35.2111, 17.7962,
56.8371

70.3907, 88.1549,
68.5657

34.7901, 16.9543,
56.6967

70.3908, 88.1549,
68.5659

34.6303, 16.6347,
56.6433

70.3908, 88.1549,
68.5660

Harmonies

Analogous

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



47.5003, 47.2945, 68.3271



49.9600, 47.2945, 61.7539



51.0801, 47.2945, 52.9404

Triad

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



49.9600, 47.2945, 61.7539



45.4537, 47.2945, 36.4499



39.8275, 47.2945, 58.9975

Complementary

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



49.9600, 47.2945, 61.7539



46.3056, 53.9838, 48.5393

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.



39.3348, 47.2945, 50.0775



49.9600, 47.2945, 61.7539



42.4965, 47.2945, 37.6837

Square

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



49.9600, 47.2945, 61.7539



48.4041, 47.2945, 38.8580



40.2904, 47.2945, 42.4414



41.6681, 47.2945, 66.6133

Rectangle

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



49.9600, 47.2945, 61.7539



50.8810, 47.2945, 47.2163



40.2904, 47.2945, 42.4414



39.5024, 47.2945, 56.0261

Sweetspot

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



49.9614, 47.2965, 61.7549



91.8819, 93.6639, 107.8439



43.5539, 43.9934, 61.4553



19.5431, 19.8010, 23.0419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.9614, 47.2965, 61.7549



83.3871, 76.6744, 105.0120



48.4961, 46.7104, 54.0387



11.0831, 10.8166, 13.4211



21.7739, 10.4591, 35.6146



1.0310, 0.4952, 1.6864

Inverse Universe

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



49.9614, 47.2965, 61.7549



83.3871, 76.6744, 105.0120



47.6446, 54.5194, 55.5908



11.0831, 10.8166, 13.4211



21.7739, 10.4591, 35.6146



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 49.9600, 47.2945, 61.7539 looks on a white background.

Color Contrast Check

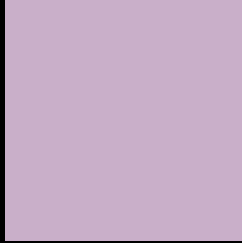
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.9600, 47.2945, 61.7539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

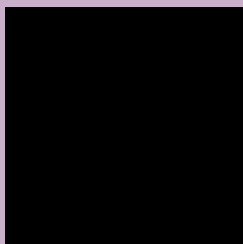
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9600, 47.2945, 61.7539

Background



This preview shows how black text looks on a background with the XYZ color 49.9600, 47.2945, 61.7539.



This preview shows how white text looks on a background with the XYZ color 49.9600, 47.2945,

61.7539.

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

49.9600, 47.2945, 61.7539

Protanopia

46.5698, 47.5670, 64.4845

Deuteranopia

48.3380, 47.3484, 61.2350



Tritanopia

48.6793, 47.3480, 55.8636

Trichromacy



Original Color

49.9600, 47.2945, 61.7539

Protanomaly

47.7582, 47.2912, 63.7377

Deuteranomaly

48.9124, 47.3502, 61.2051

Tritanomaly

49.1951, 47.2702, 58.1610

Monochromacy



Original Color

49.9600, 47.2945, 61.7539

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.6178, 48.2939, 56.1021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9600, 47.2945, 61.7539 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(201, 175, 201)` looks like.

```
.text, #text, p{  
    color:rgb(201, 175, 201)  
}
```

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(201, 175, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 175, 201) }
```

Border

The CSS property to change the border of an element to XYZ 49.9600, 47.2945, 61.7539 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(201, 175, 201) }
```


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

```
.border{ border-color:rgb(201, 175, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 175, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 175, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 175, 201);  
box-shadow:4px 4px 4px 4px rgb(201, 175,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9600, 47.2945, 61.7539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 175, 201) }
```

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

```
.background{ background-color: rgb(201,  
175, 201) }
```

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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