

Converting Colors

XYZ(49.5631, 41.9292, 47.9570)

Have a look what the booklet for
XYZ(49.5631, 41.9292, 47.9570)
contains.

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Color

**XYZ(49.6768, 42.0695,
48.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9BB3
RGB	221, 155, 179
RGB Percent	87%, 61%, 70%
CMY	0.1333, 0.3921, 0.2980
CMYK	0.00, 0.30, 0.19, 0.13
HSL	338°, 49%, 74%
HSV	338°, 30%, 87%
XYZ	49.6768, 42.0695, 48.1498
YIQ	177.4700, 31.6320, 21.4560

Conversions

Conversions Part 2

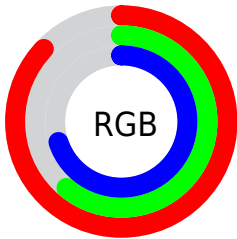
Format	Color
R _Y B	221, 155, 179
Decimal	14523315
CIE Lab	70.92, 28.11, -2.51
CIE LCh	71, 28.218, 354.891
Yxy	42.0695, 0.3551, 0.3007
Android (android.graphics.Color)	4292713395 (0xFFDD9BB3)
YUV	177.4700, 0.7543, 38.1758
Hunter-Lab	64.8610, 23.2057, 1.3886

Details

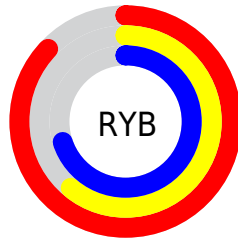
The XYZ color **49.6768, 42.0695, 48.1498** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.4538, 62.7137, 62.3248**, and the grayscale version is **42.0226, 44.2111, 48.1459**.

A 20% lighter version of the original color is **79.2820, 73.3513, 88.5769**, and **24.1332, 19.2062, 22.1739** is the 20% darker color. If you saturate the color by 10%, you get **44.9793, 34.8357, 39.9203**, and if you desaturate by 10%, it is **55.1949, 50.7114, 57.3696**.

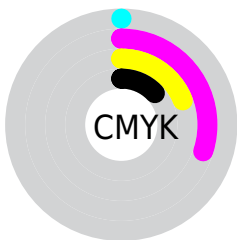
Distribution



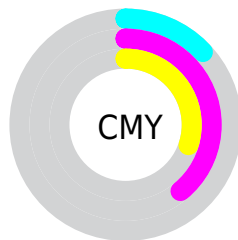
- Red (87%)
- Green (61%)
- Blue (70%)



- Red (87%)
- Yellow (61%)
- Blue (70%)



- Cyan (0%)
- Magenta (30%)
- Yellow (19%)
- Black (13%)





- Cyan (13%)
- Magenta (39%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6768, 42.0695, 48.1498 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 49.6768, 42.0695, 48.1498 by changing the saturation by 10% instead.


 49.6768, 42.0695,
48.1498


 49.6768, 42.0695,
48.1498


375.8736,
354.7710, 395.9114

 35.3734, 29.1557,
33.5847


 88.8905, 78.3048,
88.7953

 24.1185, 19.1986,
22.3000


 114.5315,
102.3951, 115.7127

 15.5468, 11.8139,
13.8771


144.6825,
130.9797, 147.5847

 9.2928, 6.6171,
7.8974

179.7087,
164.4430, 184.8297

 4.9913, 3.2238,
3.9426

219.9756,
203.1694, 227.8664

 2.2769, 1.2497,
1.5939

265.8485,

 0.7828, 0.1017,

247.5432, 277.1132

0.2864

317.6927,
297.9490, 332.9887

■ 0.0000, 0.0000,
0.0000

■ 49.6768, 42.0695,
48.1498

■ 49.6768, 42.0695,
48.1498

■ 44.9793, 34.8357,
39.9203

■ 55.1949, 50.7114,
57.3696

■ 41.0577, 28.9289,
32.6435

■ 61.5681, 60.8251,
67.6104

■ 37.8684, 24.2687,
26.2830

■ 68.8333, 72.4775,
78.9043

■ 35.3618, 20.7634,
20.7986

■ 77.0240, 85.7296,
91.2816

■ 33.4816, 18.3087,
16.1466

■ 82.7284, 93.7520,
103.6232

■ 32.1617, 16.7809,
12.2786

■ 83.6290, 94.1122,
108.3655

■ 31.2906, 15.9662,
9.1288

■ 31.2801, 15.9567,
9.0897

Harmonies

Analogous

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



47.8416, 42.0695, 62.3583



49.6768, 42.0695, 48.1498



48.7542, 42.0695, 35.7562

Triad

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



49.6768, 42.0695, 48.1498



36.3024, 42.0695, 26.1155



35.0113, 42.0695, 70.4020

Complementary

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



49.6768, 42.0695, 48.1498



49.4538, 62.7137, 62.3248

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.



32.3373, 42.0695, 57.5830



49.6768, 42.0695, 48.1498



33.0408, 42.0695, 32.4781

Square

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



49.6768, 42.0695, 48.1498



40.7958, 42.0695, 24.5654



31.6450, 42.0695, 43.5406



39.1866, 42.0695, 76.7148

Rectangle

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



49.6768, 42.0695, 48.1498



46.7343, 42.0695, 29.8642



31.6450, 42.0695, 43.5406



33.9204, 42.0695, 66.6025

Sweetspot

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



49.6780, 42.0714, 48.1507



85.8976, 85.3161, 94.6861



47.7477, 40.5086, 73.7094



18.0896, 17.7887, 19.7992



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.



49.6780, 42.0714, 48.1507



64.4025, 51.5374, 59.1236



48.9764, 44.2201, 36.9667



13.2507, 13.1294, 14.5816



18.2207, 9.2893, 5.5423



1.2210, 0.6180, 0.5726

Inverse Universe

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



49.6780, 42.0714, 48.1507



64.4025, 51.5374, 59.1236



50.1636, 59.3772, 77.2240



13.2507, 13.1294, 14.5816



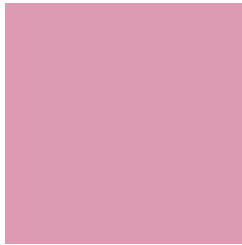
18.2207, 9.2893, 5.5423



1.2210, 0.6180, 0.5726

Previews

White Background



This preview shows how the XYZ color 49.6768, 42.0695, 48.1498 looks on a white background.

Color Contrast Check

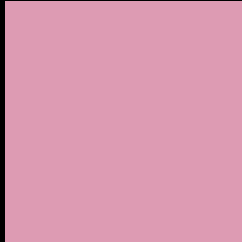
Large Text (above 18pt) WCAG AA × Fail

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 49.6768, 42.0695, 48.1498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

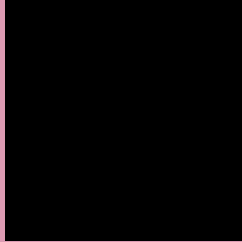
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6768, 42.0695, 48.1498

Background



This preview shows how black text looks on a background with the XYZ color 49.6768, 42.0695, 48.1498.



This preview shows how white text looks on a background with the XYZ color 49.6768, 42.0695,

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

49.6768, 42.0695, 48.1498

Protanopia

41.2511, 42.3755, 54.7203

Deuteranopia

42.9247, 41.9984, 47.4391



Tritanopia

48.7336, 42.1942, 43.1119

Trichromacy



Original Color

49.6768, 42.0695, 48.1498

Protanomaly

43.7343, 41.7648, 52.2107

Deuteranomaly

45.2205, 41.8262, 47.8094

Tritanomaly

48.9465, 42.0097, 45.0641

Monochromacy



Original Color

49.6768, 42.0695, 48.1498

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.2162, 42.9277, 48.0749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6768, 42.0695, 48.1498 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(221, 155, 179)` looks like.

```
.text, #text, p{  
    color:rgb(221, 155, 179)  
}
```

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(221, 155, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 155, 179) }
```

Border

The CSS property to change the border of an element to XYZ 49.6768, 42.0695, 48.1498 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(221, 155, 179) }
```


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

```
.border{ border-color:rgb(221, 155, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 155, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 155, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 155, 179); box-shadow:4px 4px 4px 4px rgb(221, 155, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6768, 42.0695, 48.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 155, 179) }
```

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

```
.background{ background-color: rgb(221,  
155, 179) }
```

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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