

Converting Colors

XYZ(49.4708, 34.7511, 69.5388)

Have a look what the booklet for
XYZ(49.4708, 34.7511, 69.5388)
contains.

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Color

**XYZ(49.5508, 34.7972,
69.7506)**

Conversions

Conversions Part 1

Format	Color
Hex	DD7CD9
RGB	221, 124, 217
RGB Percent	87%, 49%, 85%
CMY	0.1333, 0.5137, 0.1490
CMYK	0.00, 0.44, 0.02, 0.13
HSL	302°, 59%, 68%
HSV	302°, 44%, 87%
XYZ	49.5508, 34.7972, 69.7506
YIQ	163.6050, 27.9590, 49.4870

Conversions

Conversions Part 2

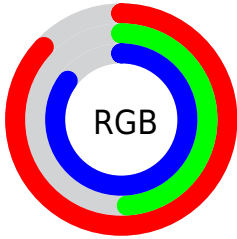
Format	Color
R _Y B	221, 124, 217
Decimal	14515417
CIE Lab	65.59, 50.73, -31.74
CIE LCh	66, 59.840, 327.972
Yxy	34.7972, 0.3216, 0.2258
Android (android.graphics.Color)	4292705497 (0xFFDD7CD9)
YUV	163.6050, 26.3237, 50.3354
Hunter-Lab	58.9892, 46.7087, -28.8139

Details

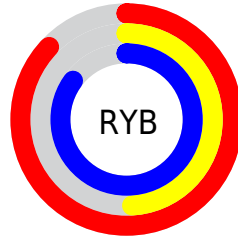
The XYZ color **49.5508, 34.7972, 69.7506** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.0664, 57.5577, 29.5275**, and the grayscale version is **34.9699, 36.7911, 40.0655**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **24.0847, 15.0076, 35.8098** is the 20% darker color. If you saturate the color by 10%, you get **46.9674, 29.8189, 68.3065**, and if you desaturate by 10%, it is **52.7577, 41.0200, 71.4065**.

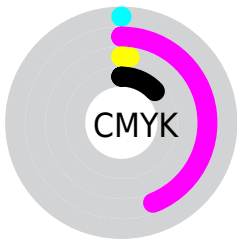
Distribution



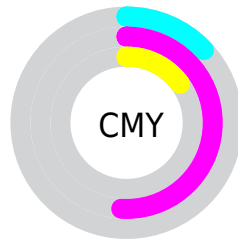
- Red (87%)
- Green (49%)
- Blue (85%)



- Red (87%)
- Yellow (49%)
- Blue (85%)



- Cyan (0%)
- Magenta (44%)
- Yellow (2%)
- Black (13%)




- Cyan (13%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5508, 34.7972, 69.7506 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 49.5508, 34.7972, 69.7506 by changing the saturation by 10% instead.


 49.5508, 34.7972,
69.7506


 49.5508, 34.7972,
69.7506


375.3878,
323.6723, 478.4393


 35.2729, 23.5067,
50.8477


 88.7048, 67.1715,
120.5308

 24.0407, 14.9681,
35.7115


 114.3116, 89.0240,
153.2452

 15.4887, 8.7970,
23.9236


 144.4255,
115.1661, 191.4005

 9.2516, 4.6090,
15.0652

179.4117,
145.9820, 235.4152

 4.9641, 2.0197,
8.7181

219.6357,
181.8562, 285.7079

 2.2608, 0.6189,
4.4635

265.4628,

 0.7745, 0.0000,

223.1730, 342.6971

1.8829

317.2584,
270.3169, 406.8014

■ 0.0000, 0.0000,
0.4818

■ 0.0000, 0.0000,
0.0000

■ 49.5508, 34.7972,
69.7506

■ 49.5508, 34.7972,
69.7506

■ 46.9674, 29.8189,
68.3065

■ 52.7577, 41.0200,
71.4065

■ 44.9622, 25.9966,
67.0579


■ 56.6228, 48.5587,
73.2847


■ 43.4890, 23.2374,
65.9899


■ 61.1821, 57.4851,
75.3975


■ 42.4935, 21.4324,
65.0844


■ 66.4683, 67.8641,
77.7559


 41.9093, 20.4491,
64.3192


 72.5119, 79.7567,
80.3700

 41.6885, 20.1201,
63.8986

 78.8270, 92.1915,
83.0779

 78.9499, 92.2406,
83.7249

 79.0734, 92.2901,
84.3754

 79.1976, 92.3397,
85.0295

Harmonies

Analogous

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



41.6412, 34.7972, 98.6433



49.5508, 34.7972, 69.7506



52.9777, 34.7972, 39.6253

Triad

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



49.5508, 34.7972, 69.7506



33.6748, 34.7972, 7.1984



20.2916, 34.7972, 65.3926

Complementary

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



49.5508, 34.7972, 69.7506



38.0664, 57.5577, 29.5275

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.



18.9079, 34.7972, 36.2027



49.5508, 34.7972, 69.7506



25.7702, 34.7972, 9.2194

Square

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



49.5508, 34.7972, 69.7506



42.8596, 34.7972, 9.9026



20.7260, 34.7972, 17.5956



24.9037, 34.7972, 95.4400

Rectangle

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



49.5508, 34.7972, 69.7506



51.8723, 34.7972, 24.8419



20.7260, 34.7972, 17.5956



19.4735, 34.7972, 54.8508

Sweetspot

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



49.5520, 34.7988, 69.7513



85.1521, 80.5552, 104.5186



29.0476, 24.1675, 71.5413



17.9037, 16.6102, 22.2247



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.



49.5520, 34.7988, 69.7513



65.1039, 41.5231, 94.5547



44.2143, 32.6637, 41.6435



13.5900, 13.2651, 16.3680



24.2279, 11.6922, 37.1758



1.5770, 0.7604, 2.4472

Inverse Universe

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



49.5520, 34.7988, 69.7513



65.1039, 41.5231, 94.5547



41.9801, 59.1232, 50.1370



13.5900, 13.2651, 16.3680



24.2279, 11.6922, 37.1758



1.5770, 0.7604, 2.4472

Previews

White Background



This preview shows how the XYZ color 49.5508, 34.7972, 69.7506 looks on a white background.

Color Contrast Check

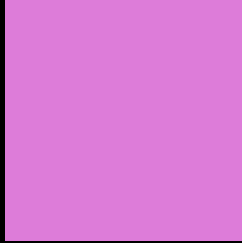
Large Text (above 18pt) WCAG AA × Fail

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 49.5508, 34.7972, 69.7506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

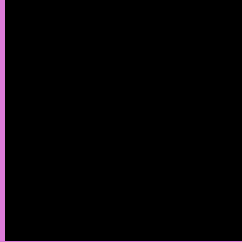
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5508, 34.7972, 69.7506

Background



This preview shows how black text looks on a background with the XYZ color 49.5508, 34.7972, 69.7506.



This preview shows how white text looks on a background with the XYZ color 49.5508, 34.7972,

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

49.5508, 34.7972, 69.7506

Protanopia

37.2879, 35.2521, 89.6331

Deuteranopia

35.8475, 35.0201, 66.4982



Tritanopia

42.0980, 34.7813, 32.9284

Trichromacy



Original Color

49.5508, 34.7972, 69.7506



Protanomaly

39.8770, 33.8727, 82.2782



Deuteranomaly

39.5912, 34.0536, 67.4371



Tritanomaly

44.4840, 34.7051, 44.3986

Monochromacy



Original Color

49.5508, 34.7972, 69.7506



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

39.3023, 35.2281, 49.5280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5508, 34.7972, 69.7506 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, 124, 217)` looks like.

```
.text, #text, p{  
    color:rgb(221, 124, 217)  
}
```

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, 124, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 124, 217) }
```

Border

The CSS property to change the border of an element to XYZ 49.5508, 34.7972, 69.7506 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, 124, 217) }
```


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

```
.border{ border-color:rgb(221, 124, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 124, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 124, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 124, 217);  
box-shadow:4px 4px 4px 4px rgb(221, 124,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5508, 34.7972, 69.7506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 124, 217) }
```

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

```
.background{ background-color: rgb(221,  
124, 217) }
```

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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