

Converting Colors

XYZ(49.4346, 35.9215, 72.1047)

Have a look what the booklet for
XYZ(49.4346, 35.9215, 72.1047)
contains.

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Color

**XYZ(49.5162, 35.8843,
72.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	D982DC
RGB	217, 130, 220
RGB Percent	85%, 51%, 86%
CMY	0.1490, 0.4902, 0.1373
CMYK	0.01, 0.41, 0.00, 0.14
HSL	298°, 56%, 69%
HSV	298°, 41%, 86%
XYZ	49.5162, 35.8843, 72.0267
YIQ	166.2730, 22.9620, 46.4340

Conversions

Conversions Part 2

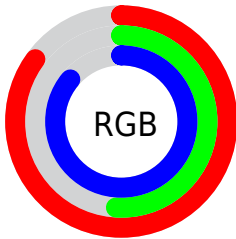
Format	Color
R_{YB}	217, 130, 220
Decimal	14254812
CIE _{Lab}	66.43, 47.01, -32.14
CIE _{LCh}	66, 56.950, 325.641
Yxy	35.8843, 0.3145, 0.2279
Android (android.graphics.Color)	4292444892 (0xFFD982DC)
YUV	166.2730, 26.4874, 44.4876
Hunter-Lab	59.9035, 42.7169, -29.3566

Details

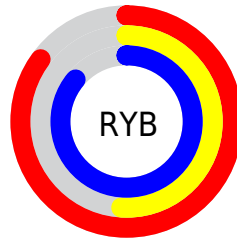
The XYZ color **49.5162, 35.8843, 72.0267** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.2965, 57.7855, 30.2034**, and the grayscale version is **36.2467, 38.1344, 41.5283**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **23.9426, 15.4980, 37.3268** is the 20% darker color. If you saturate the color by 10%, you get **46.6797, 30.5334, 71.1439**, and if you desaturate by 10%, it is **52.9816, 42.4900, 73.1196**.

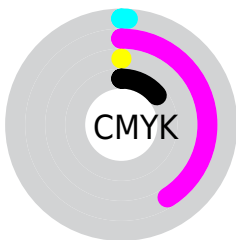
Distribution



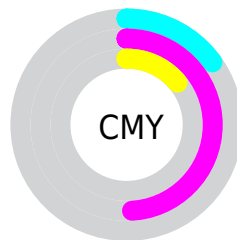
- Red (85%)
- Green (51%)
- Blue (86%)



- Red (85%)
- Yellow (51%)
- Blue (86%)



- Cyan (1%)
- Magenta (41%)
- Yellow (0%)
- Black (14%)





- Cyan (15%)
- Magenta (49%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5162, 35.8843, 72.0267 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 49.5162, 35.8843, 72.0267 by changing the saturation by 10% instead.


 49.5162, 35.8843,
72.0267


 49.5162, 35.8843,
72.0267

375.2543,
328.4546, 486.6146


 35.2454, 24.3449,
52.6935


 88.6538, 68.8534,
123.8026

 24.0193, 15.5896,
37.1721


 114.2512, 91.0519,
157.0823

 15.4728, 9.2342,
25.0439

 144.3549,
117.5722, 195.8480

 9.2403, 4.8943,
15.8905

179.3301,
148.7987, 240.5182

 4.9566, 2.1854,
9.2932

219.5424,
185.1158, 291.5114

 2.2563, 0.7120,
4.8335

265.3569,

 0.7722, 0.0000,

226.9079, 349.2462

2.0929

317.1391,
274.5593, 414.1411

■ 0.0000, 0.0000,
0.6115

■ 0.0000, 0.0000,
0.0000

■ 49.5162, 35.8843,
72.0267

■ 49.5162, 35.8843,
72.0267

■ 46.6797, 30.5334,
71.1439

■ 52.9816, 42.4900,
73.1196

■ 44.4283, 26.3519,
70.4554


■ 57.1090, 50.4191,
74.4325


■ 42.7183, 23.2518,
69.9472


■ 61.9334, 59.7408,
75.9775


■ 41.4982, 21.1301,
69.6020


■ 67.4864, 70.5182,
77.7651


 40.7067, 19.8642,
69.3993


 73.7976, 82.8106,
79.8051

 40.2631, 19.2641,
69.3069

 78.6193, 92.1224,
81.3484

 78.8435, 92.2381,
81.3589

 79.0688, 92.3542,
81.3694

 79.2950, 92.4708,
81.3800

Harmonies

Analogous

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



41.7076, 35.8843, 98.5542



49.5162, 35.8843, 72.0267



53.2126, 35.8843, 42.7513

Triad

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



49.5162, 35.8843, 72.0267



35.3686, 35.8843, 8.4586



21.3553, 35.8843, 63.1254

Complementary

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



49.5162, 35.8843, 72.0267



39.2965, 57.7855, 30.2034

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.



20.2283, 35.8843, 35.6099



49.5162, 35.8843, 72.0267



27.4908, 35.8843, 10.1827

Square

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



49.5162, 35.8843, 72.0267



44.2254, 35.8843, 11.7097



22.2805, 35.8843, 18.1066



25.6631, 35.8843, 92.0866

Rectangle

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



49.5162, 35.8843, 72.0267



52.4630, 35.8843, 27.7271



22.2805, 35.8843, 18.1066



20.6262, 35.8843, 53.1529

Sweetspot

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



49.5174, 35.8859, 72.0275



85.6791, 81.8137, 105.8836



30.5132, 26.6899, 71.2541



18.1400, 17.1266, 22.5996



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.



49.5174, 35.8859, 72.0275



65.7639, 43.6774, 99.5722



45.5349, 34.3968, 46.3602



13.5692, 13.2516, 16.4948



23.6496, 11.3160, 40.6761



1.5459, 0.7402, 2.6358

Inverse Universe

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



41.7326, 32.8759, 26.3379



53.5473, 38.9658, 27.3315



42.2467, 58.9117, 48.1757



13.0735, 13.0585, 13.6485



17.3538, 8.9426, 0.9774



1.1306, 0.5819, 0.0966

Previews

White Background



This preview shows how the XYZ color 49.5162, 35.8843, 72.0267 looks on a white background.

Color Contrast Check

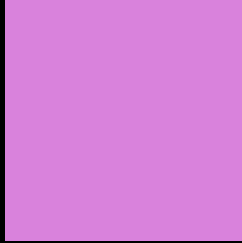
Large Text (above 18pt) WCAG AA × Fail

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 49.5162, 35.8843, 72.0267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

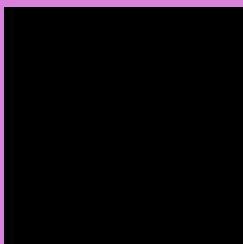
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5162, 35.8843, 72.0267

Background



This preview shows how black text looks on a background with the XYZ color 49.5162, 35.8843, 72.0267.



This preview shows how white text looks on a background with the XYZ color 49.5162, 35.8843,

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

49.5162, 35.8843, 72.0267

Protanopia

38.2487, 36.2539, 89.7758

Deuteranopia

37.0583, 36.0921, 69.3033



Tritanopia

42.1841, 35.8684, 35.7103

Trichromacy



Original Color

49.5162, 35.8843, 72.0267



Protanomaly

40.8951, 35.0705, 83.2111



Deuteranomaly

40.5698, 35.1882, 70.2994



Tritanomaly

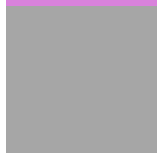
44.5207, 35.7170, 47.1954

Monochromacy



Original Color

49.5162, 35.8843, 72.0267



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

40.2617, 36.6419, 51.4049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5162, 35.8843, 72.0267 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(217, 130, 220)` looks like.

```
.text, #text, p{  
    color:rgb(217, 130, 220)  
}
```

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(217, 130, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 130, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.5162, 35.8843, 72.0267 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(217, 130, 220) }
```


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

```
.border{ border-color:rgb(217, 130, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 130, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 130, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 130, 220);  
box-shadow:4px 4px 4px 4px rgb(217, 130,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5162, 35.8843, 72.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 130, 220) }
```

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

```
.background{ background-color: rgb(217,  
130, 220) }
```

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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