

# Converting Colors

XYZ(49.6813, 42.2146, 46.5346)

Have a look what the booklet for  
XYZ(49.6813, 42.2146, 46.5346)  
contains.

<b>XYZ(49.6820, 42.1069, 46.5832)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(49.6820, 42.1069,  
46.5832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE9BB0
RGB	222, 155, 176
RGB Percent	87%, 61%, 69%
CMY	0.1294, 0.3921, 0.3098
CMYK	0.00, 0.30, 0.21, 0.13
HSL	341°, 50%, 74%
HSV	341°, 30%, 87%
XYZ	49.6820, 42.1069, 46.5832
YIQ	177.4270, 33.1910, 20.7350

# Conversions

## Conversions Part 2

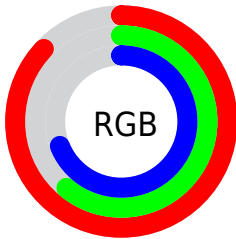
Format	Color
<a href="#">RYB</a>	<a href="#">222, 155, 176</a>
Decimal	<a href="#">14588848</a>
CIELab	<a href="#">70.94, 28.01, -0.80</a>
CIELCh	<a href="#">71, 28.020, 358.368</a>
Yxy	<a href="#">42.1069, 0.3590, 0.3043</a>
Android (android.graphics.Color)	<a href="#">4292778928 (0xFFDE9BB0)</a>
YUV	<a href="#">177.4270, -0.7035, 39.0905</a>
Hunter-Lab	<a href="#">64.8898, 23.1089, 2.8597</a>

# Details

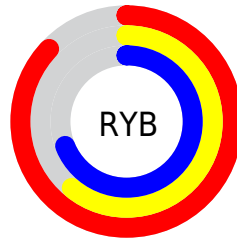
The XYZ color **49.6820, 42.1069, 46.5832** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **50.1832, 63.4292, 64.8596**, and the grayscale version is **42.0069, 44.1945, 48.1278**.

A 20% lighter version of the original color is **78.8521, 73.1794, 86.3130**, and **24.2142, 19.2627, 21.5106** is the 20% darker color. If you saturate the color by 10%, you get **44.8970, 34.8162, 37.9604**, and if you desaturate by 10%, it is **55.3180, 50.8276, 56.3262**.

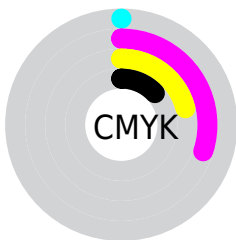
# Distribution



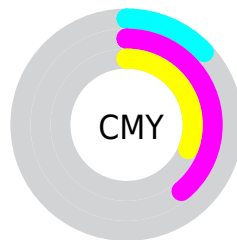
- Red (87%)
- Green (61%)
- Blue (69%)



- Red (87%)
- Yellow (61%)
- Blue (69%)



- Cyan (0%)
- Magenta (30%)
- Yellow (21%)
- Black (13%)




- Cyan (13%)
- Magenta (39%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6820, 42.1069, 46.5832 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 49.6820, 42.1069, 46.5832 by changing the saturation by 10% instead.





 49.6820, 42.1069,  
46.5832


 49.6820, 42.1069,  
46.5832


375.8936,  
354.9259, 389.4939

 35.3776, 29.1850,  
32.3543


 88.8982, 78.3614,  
86.4346

 24.1217, 19.2208,  
21.3652


 114.5406,  
102.4628, 112.8942

 15.5492, 11.8299,  
13.1974


144.6931,  
131.0594, 144.2677

 9.2945, 6.6280,  
7.4323

179.7210,  
164.5358, 180.9738

 4.9924, 3.2306,  
3.6514

219.9896,  
203.2762, 223.4309

 2.2775, 1.2533,  
1.4361

265.8644,

 0.7831, 0.1046,

247.6651, 272.0575

0.1696

317.7106,  
298.0869, 327.2724

■ 0.0000, 0.0000,  
0.0000

■ 49.6820, 42.1069,  
46.5832

■ 49.6820, 42.1069,  
46.5832

■ 44.8970, 34.8162,  
37.9604

■ 55.3180, 50.8276,  
56.3262

■ 40.9165, 28.8729,  
30.4134

■ 61.8410, 61.0434,  
67.2261

■ 37.6950, 24.1949,  
23.8985

■ 69.2896, 72.8225,  
79.3215

■ 35.1808, 20.6886,  
18.3677

■ 77.6986, 86.2270,  
92.6478

■ 33.3152, 18.2474,  
13.7688

■ 83.4891, 94.0916,  
106.0354

■ 32.0292, 16.7447,  
10.0436

■ 83.9343, 94.2697,  
108.3798

■ 31.2164, 15.9665,  
7.1604

# Harmonies

## Analogous

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



48.1616, 42.1069, 60.6956



49.6820, 42.1069, 46.5832



48.4513, 42.1069, 34.6846

# Triad

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



49.6820, 42.1069, 46.5832



35.9058, 42.1069, 26.7421



35.4955, 42.1069, 71.4057

# Complementary

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



49.6820, 42.1069, 46.5832



50.1832, 63.4292, 64.8596

# 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.



32.6307, 42.1069, 59.1797



49.6820, 42.1069, 46.5832



32.8543, 42.1069, 33.6425

# Square

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



49.6820, 42.1069, 46.5832



40.2775, 42.1069, 24.6510



31.7020, 42.1069, 45.1191



39.7663, 42.1069, 76.6469



# Rectangle

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



49.6820, 42.1069, 46.5832



46.2862, 42.1069, 29.1910



31.7020, 42.1069, 45.1191



34.3489, 42.1069, 67.8729

# Sweetspot

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



49.6832, 42.1089, 46.5841



85.7265, 85.2477, 93.7853



48.9369, 41.1063, 74.4626



18.0476, 17.7720, 19.5783



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.



49.6832, 42.1089, 46.5841



63.8837, 51.3299, 56.3918



49.9127, 45.6395, 37.1914



13.8833, 13.7709, 15.1556



18.5862, 9.5015, 4.4865



1.3278, 0.6744, 0.5190



# Inverse Universe

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



49.6832, 42.1089, 46.5841



63.8837, 51.3299, 56.3918



49.6806, 58.1971, 77.7223



13.8833, 13.7709, 15.1556



18.5862, 9.5015, 4.4865

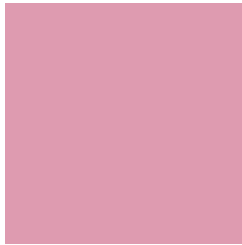


1.3278, 0.6744, 0.5190



# Previews

## White Background



This preview shows how the XYZ color 49.6820, 42.1069, 46.5832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

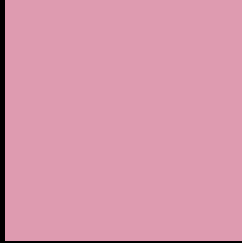
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6820, 42.1069, 46.5832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

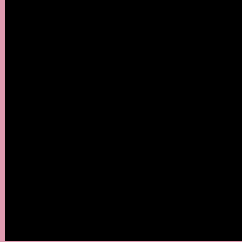
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.6820, 42.1069, 46.5832**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6820, 42.1069, 46.5832.



This preview shows how white text looks on a background with the XYZ color 49.6820, 42.1069,



# 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

49.6820, 42.1069, 46.5832

### Protanopia

41.1468, 42.3592, 53.0212

### Deuteranopia

43.1285, 42.1376, 45.9047



## Tritanopia

48.7751, 41.9762, 42.5773

# Trichromacy



## Original Color

49.6820, 42.1069, 46.5832

## Protanomaly

43.6693, 41.7677, 50.5601

## Deuteranomaly

45.1922, 41.8461, 46.2527

## Tritanomaly

49.0579, 42.0894, 44.0665

# Monochromacy



## Original Color

49.6820, 42.1069, 46.5832

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.1161, 42.8877, 47.5480

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6820, 42.1069, 46.5832 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(222, 155, 176)` looks like.

```
.text, #text, p{  
    color:rgb(222, 155, 176)  
}
```

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(222, 155, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 155, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6820, 42.1069, 46.5832 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(222, 155, 176) }
```



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

```
.border{ border-color:rgb(222, 155, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 155, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 155, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 155, 176);  
box-shadow:4px 4px 4px 4px rgb(222, 155,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6820, 42.1069, 46.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 155, 176) }
```

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

```
.background{ background-color: rgb(222,  
155, 176) }
```

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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