

# Converting Colors

XYZ(44.5416, 36.3357, 72.2505)

Have a look what the booklet for  
XYZ(44.5416, 36.3357, 72.2505)  
contains.

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# Color

**XYZ(44.6298, 36.3203,  
72.3684)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C090DC
RGB	192, 144, 220
RGB Percent	75%, 56%, 86%
CMY	0.2471, 0.4353, 0.1373
CMYK	0.13, 0.35, 0.00, 0.14
HSL	278°, 52%, 71%
HSV	278°, 35%, 86%
XYZ	44.6298, 36.3203, 72.3684
YIQ	167.0160, 4.2120, 33.8120

# Conversions

## Conversions Part 2

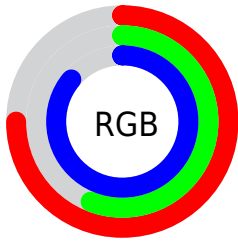
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 144, 220
Decimal	12619996
CIE <sub>Lab</sub>	66.76, 31.89, -31.84
CIE <sub>LCh</sub>	67, 45.062, 315.038
Yxy	36.3203, 0.2911, 0.2369
Android (android.graphics.Color)	4290810076 (0xFFC090DC)
YUV	167.0160, 26.1211, 21.9110
Hunter-Lab	60.2663, 26.7208, -29.0096

# Details

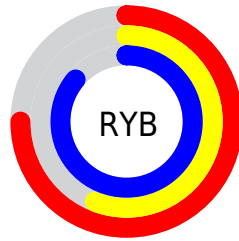
The XYZ color **44.6298, 36.3203, 72.3684** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.6416, 61.9715, 35.8379**, and the grayscale version is **36.6149, 38.5217, 41.9501**.

A 20% lighter version of the original color is **77.3110, 67.7479, 103.6097**, and **21.0224, 15.8637, 37.5513** is the 20% darker color. If you saturate the color by 10%, you get **39.6209, 29.2650, 71.2712**, and if you desaturate by 10%, it is **50.4034, 44.7354, 73.6889**.

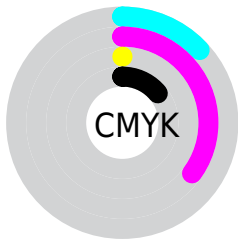
# Distribution



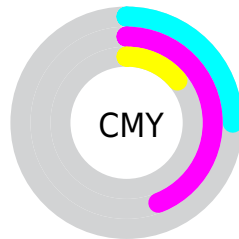
- Red (75%)
- Green (56%)
- Blue (86%)



- Red (75%)
- Yellow (56%)
- Blue (86%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)




- Cyan (25%)
- Magenta (44%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6298, 36.3203, 72.3684 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 44.6298, 36.3203, 72.3684 by changing the saturation by 10% instead.





 44.6298, 36.3203,  
72.3684

 44.6298, 36.3203,  
72.3684

356.0811,  
330.3584, 487.8348

 31.3660, 24.6817,  
52.9710


 81.4051, 69.5262,  
124.2927

 21.0309, 15.8400,  
37.3920

 105.6473, 91.8622,  
157.6568

 13.2592, 9.4110,  
25.2130


134.2796,  
118.5328, 196.5134

 7.6855, 5.0102,  
16.0154

167.6675,  
149.9224, 241.2812

 3.9445, 2.2533,  
9.3806

206.1762,  
186.4153, 292.3787

 1.6708, 0.7488,  
4.8900

250.1711,

 0.4379, 0.0000,

228.3960, 350.2244

2.1253

300.0177,  
276.2489, 415.2370

■ 0.0000, 0.0000,  
0.6308

■ 0.0000, 0.0000,  
0.0000

■ 44.6298, 36.3203,  
72.3684

■ 44.6298, 36.3203,  
72.3684

■ 39.6209, 29.2650,  
71.2712

■ 50.4034, 44.7354,  
73.6889

■ 35.3334, 23.4883,  
70.3821

■ 56.9747, 54.5763,  
75.2421

■ 31.7248, 18.9071,  
69.6881

■ 64.3789, 65.9100,  
77.0395

■ 28.7464, 15.4266,  
69.1732

■ 72.6480, 78.7980,  
79.0913

■ 26.3416, 12.9366,  
68.8194

■ 81.8120, 93.2981,  
81.4071

■ 24.4419, 11.3032,  
68.6042

■ 84.8290, 95.3237,  
81.6390

■ 23.5573, 10.6519,  
68.5251

■ 87.6522, 96.7791,  
81.7712

■ 89.9184, 97.9473,  
81.8772

# Harmonies

## Analogous

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



38.0281, 36.3203, 87.8858



44.6298, 36.3203, 72.3684



48.7648, 36.3203, 50.0294

# Triad

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



44.6298, 36.3203, 72.3684



38.0101, 36.3203, 13.2709



23.3660, 36.3203, 50.0858

# Complementary

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



44.6298, 36.3203, 72.3684



47.6416, 61.9715, 35.8379

# 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.



23.3625, 36.3203, 30.6411



44.6298, 36.3203, 72.3684



31.2371, 36.3203, 13.2772

# Square

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



44.6298, 36.3203, 72.3684



44.6152, 36.3203, 18.5192



26.0676, 36.3203, 18.5405



26.0778, 36.3203, 72.4212



# Rectangle

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



44.6298, 36.3203, 72.3684



49.2612, 36.3203, 36.3468



26.0676, 36.3203, 18.5405



23.0609, 36.3203, 42.9289

# Sweetspot

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



44.6310, 36.3218, 72.3692



84.0756, 83.0573, 106.2081



39.3903, 41.0363, 73.5554



17.6864, 17.3055, 22.6581



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.



44.6310, 36.3218, 72.3692



57.4898, 43.8490, 100.0414



51.2640, 39.8734, 66.7109



13.1251, 13.0226, 16.4740



13.9520, 6.3167, 40.2223



0.9976, 0.4575, 2.6102



# Inverse Universe

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



46.9359, 38.1421, 43.9194



61.4001, 46.8893, 53.9403



42.8348, 59.4121, 39.2909



13.2534, 13.1305, 14.5955



18.2443, 9.2987, 5.6664



1.2227, 0.6187, 0.5816



# Previews

## White Background



This preview shows how the XYZ color 44.6298, 36.3203, 72.3684 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

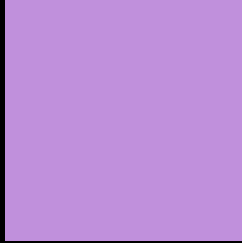
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6298, 36.3203, 72.3684 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

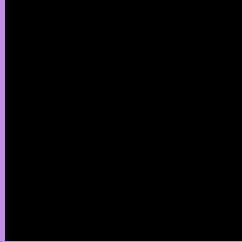
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.6298, 36.3203, 72.3684**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6298, 36.3203, 72.3684.



This preview shows how white text looks on a background with the XYZ color 44.6298, 36.3203,



# 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

44.6298, 36.3203, 72.3684

### Protanopia

38.0940, 36.6003, 82.1476

### Deuteranopia

37.3079, 36.4473, 70.7143



## Tritanopia

38.4636, 36.4231, 41.5623

# Trichromacy



## Original Color

44.6298, 36.3203, 72.3684

## Protanomaly

39.8573, 36.0836, 78.2629

## Deuteranomaly

39.5203, 36.0657, 71.2081

## Tritanomaly

40.4231, 36.2432, 51.3195

# Monochromacy



## Original Color

44.6298, 36.3203, 72.3684

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

39.1656, 37.5716, 51.6422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6298, 36.3203, 72.3684 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(192, 144, 220)` looks like.

```
.text, #text, p{  
    color:rgb(192, 144, 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(192, 144, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 144, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6298, 36.3203, 72.3684 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(192, 144, 220) }
```



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

```
.border{ border-color:rgb(192, 144, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 144, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 144, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 144, 220);  
box-shadow:4px 4px 4px 4px rgb(192, 144,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6298, 36.3203, 72.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 144, 220) }
```

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

```
.background{ background-color: rgb(192,  
144, 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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