

# Converting Colors

XYZ(42.9363, 36.6826, 47.5099)

Have a look what the booklet for  
XYZ(42.9363, 36.6826, 47.5099)  
contains.

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# Color

**XYZ(42.9275, 36.6787,  
47.4650)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA93B3
RGB	202, 147, 179
RGB Percent	79%, 58%, 70%
CMY	0.2078, 0.4235, 0.2980
CMYK	0.00, 0.27, 0.11, 0.21
HSL	325°, 34%, 68%
HSV	325°, 27%, 79%
XYZ	42.9275, 36.6787, 47.4650
YIQ	167.0930, 22.5080, 21.6120

# Conversions

## Conversions Part 2

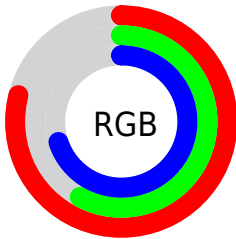
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 147, 179
Decimal	13276083
CIE Lab	67.04, 25.71, -8.48
CIE LCh	67, 27.074, 341.740
Yxy	36.6787, 0.3378, 0.2886
Android (android.graphics.Color)	4291466163 (0xFFCA93B3)
YUV	167.0930, 5.8702, 30.6134
Hunter-Lab	60.5629, 20.5371, -4.0733

# Details

The XYZ color **42.9275, 36.6787, 47.4650** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.4103, 51.3473, 45.8137**, and the grayscale version is **36.7414, 38.6549, 42.0951**.

A 20% lighter version of the original color is **77.1220, 69.0314, 87.8569**, and **19.9814, 16.0751, 21.7883** is the 20% darker color. If you saturate the color by 10%, you get **39.2296, 30.6083, 42.1455**, and if you desaturate by 10%, it is **47.2314, 43.8764, 53.2456**.

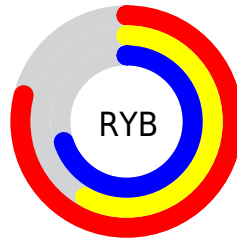
# Distribution



Red (79%)

Green (58%)

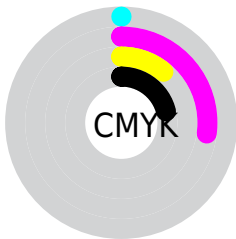
Blue (70%)



Red (79%)

Yellow (58%)

Blue (70%)

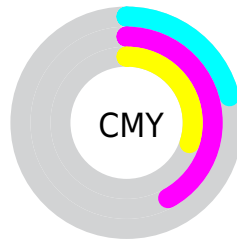


Cyan (0%)

Magenta (27%)

Yellow (11%)

Black (21%)



Cyan (21%)

Magenta (42%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9275, 36.6787, 47.4650 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 42.9275, 36.6787, 47.4650 by changing the saturation by 10% instead.





 42.9275, 36.6787,  
47.4650


 42.9275, 36.6787,  
47.4650

349.2401,  
331.9174, 393.1149

 30.0225, 24.9588,  
33.0464


 78.8578, 70.0783,  
87.7645

 20.0038, 16.0464,  
21.8906


 102.6139, 92.5269,  
114.4826

 12.5061, 9.5570,  
13.5790


130.7177,  
119.3205, 146.1376

 7.1640, 5.1062,  
7.6930

163.5346,  
150.8435, 183.1480

 3.6121, 2.3097,  
3.8142

201.4299,  
187.4802, 225.9324

 1.4851, 0.7788,  
1.5240

244.7690,

 0.3157, 0.0000,

229.6152, 274.9093

0.2357

293.9173,  
277.6328, 330.4973

■ 0.0000, 0.0000,  
0.0000

■ 42.9275, 36.6787,  
47.4650

■ 42.9275, 36.6787,  
47.4650

■ 39.2296, 30.6083,  
42.1455

■ 47.2314, 43.8764,  
53.2456

■ 36.1048, 25.6022,  
37.2703

■ 52.1657, 52.2503,  
59.4988

■ 33.5217, 21.5987,  
32.8246


■ 57.7575, 61.8523,  
66.2382


■ 31.4445, 18.5279,  
28.7918


■ 64.0311, 72.7299,  
73.4762


■ 29.8327, 16.3103,  
25.1532


■ 71.0095, 84.9280,  
81.2247


 28.6394, 14.8536,  
21.8881


 74.3565, 89.7723,  
88.0423

 27.8002, 14.0311,  
18.9697

 75.5699, 90.2577,  
94.4322

 27.5990, 13.8533,  
18.2103

 76.8416, 90.7664,  
101.1290

 78.1673, 91.2966,  
108.1099

# Harmonies

## Analogous

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



40.3986, 36.6787, 59.3409



42.9275, 36.6787, 47.4650



43.1956, 36.6787, 35.5019

# Triad

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



42.9275, 36.6787, 47.4650



33.2769, 36.6787, 21.6074



29.2858, 36.6787, 56.9998

# Complementary

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



42.9275, 36.6787, 47.4650



40.4103, 51.3473, 45.8137

# 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.



27.6757, 36.6787, 44.7266



42.9275, 36.6787, 47.4650



29.8559, 36.6787, 25.3040

# Square

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



42.9275, 36.6787, 47.4650



37.4000, 36.6787, 22.0533



27.8759, 36.6787, 33.2500



32.4415, 36.6787, 65.5486



# Rectangle

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



42.9275, 36.6787, 47.4650



42.0322, 36.6787, 29.1641



27.8759, 36.6787, 33.2500



28.5575, 36.6787, 53.0812

# Sweetspot

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



42.9286, 36.6804, 47.4658



87.5405, 87.1305, 99.7703



37.6555, 33.6704, 60.3919



18.4526, 18.1643, 21.0004



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.



42.9286, 36.6804, 47.4658



68.6674, 55.4863, 74.6674



40.4256, 35.6792, 34.2853



11.4814, 11.3213, 13.0697



17.8048, 8.9325, 11.9566



0.9559, 0.4757, 0.8134



# Inverse Universe

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



42.9286, 36.6804, 47.4658



68.6674, 55.4863, 74.6674



43.2802, 52.4953, 60.9261



11.4814, 11.3213, 13.0697



17.8048, 8.9325, 11.9566

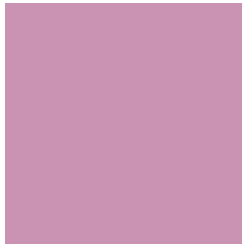


0.9559, 0.4757, 0.8134



# Previews

## White Background



This preview shows how the XYZ color 42.9275, 36.6787, 47.4650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

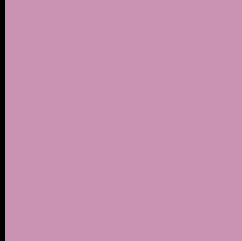
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.9275, 36.6787, 47.4650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

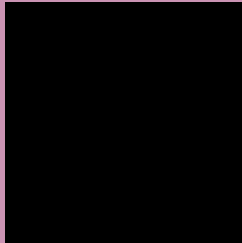
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.9275, 36.6787, 47.4650**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.9275, 36.6787, 47.4650.



This preview shows how white text looks on a background with the XYZ color 42.9275, 36.6787,

47.4650.

# 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

42.9275, 36.6787, 47.4650

### Protanopia

36.4037, 36.8857, 53.3451

### Deuteranopia

37.5675, 36.8548, 46.7286



## Tritanopia

41.2474, 36.7007, 39.0924

# Trichromacy



## Original Color

42.9275, 36.6787, 47.4650

## Protanomaly

38.4931, 36.7307, 50.9599

## Deuteranomaly

39.5244, 36.8474, 47.1486

## Tritanomaly

41.9027, 36.7396, 41.9287

# Monochromacy



## Original Color

42.9275, 36.6787, 47.4650

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

38.7439, 37.7852, 43.7793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.9275, 36.6787, 47.4650 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(202, 147, 179)` looks like.

```
.text, #text, p{  
    color:rgb(202, 147, 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(202, 147, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 147, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 42.9275, 36.6787, 47.4650 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(202, 147, 179) }
```



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

```
.border{ border-color:rgb(202, 147, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 147, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 147, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 147, 179);  
box-shadow:4px 4px 4px 4px rgb(202, 147,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.9275, 36.6787, 47.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 147, 179) }
```

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

```
.background{ background-color: rgb(202,  
147, 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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