

# Converting Colors

XYZ(47.0816, 42.0773, 69.2050)

Have a look what the booklet for  
XYZ(47.0816, 42.0773, 69.2050)  
contains.

**XYZ(47.0502, 42.0332, 69.2517) ..... 3**  
***Conversions* ..... 4**  
***Details* ..... 6**  
***Harmonies* ..... 12**  
***Previews* ..... 24**  
***Color Blindness Simulation* ..... 28**  
***CSS Examples* ..... 31**

# Color

**XYZ(47.0502, 42.0332,  
69.2517)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C1A2D6
RGB	193, 162, 214
RGB Percent	76%, 64%, 84%
CMY	0.2431, 0.3647, 0.1608
CMYK	0.10, 0.24, 0.00, 0.16
HSL	276°, 39%, 74%
HSV	276°, 24%, 84%
XYZ	47.0502, 42.0332, 69.2517
YIQ	177.1970, 1.7840, 22.7440

# Conversions

## Conversions Part 2

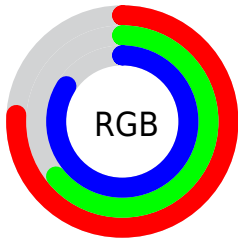
Format	Color
R <sub>Y</sub> B	193, 162, 214
Decimal	12690134
CIE Lab	70.89, 20.99, -22.18
CIE LCh	71, 30.535, 313.416
Yxy	42.0332, 0.2972, 0.2655
Android (android.graphics.Color)	4290880214 (0xFFC1A2D6)
YUV	177.1970, 18.1439, 13.8592
Hunter-Lab	64.8330, 16.0821, -17.9478

# Details

The XYZ color **47.0502, 42.0332, 69.2517** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.0982, 60.7702, 43.2739**, and the grayscale version is **41.8016, 43.9785, 47.8926**.

A 20% lighter version of the original color is **82.2872, 77.1697, 105.1660**, and **22.4814, 19.1440, 35.3112** is the 20% darker color. If you saturate the color by 10%, you get **41.4576, 34.0231, 68.0010**, and if you desaturate by 10%, it is **53.4157, 51.3962, 70.7241**.

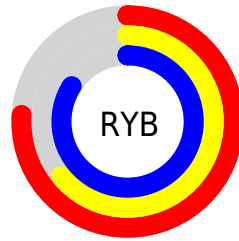
# Distribution



Red (76%)

Green (64%)

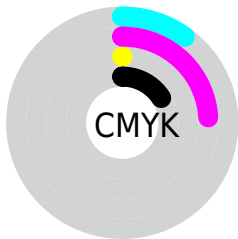
Blue (84%)



Red (76%)

Yellow (64%)

Blue (84%)

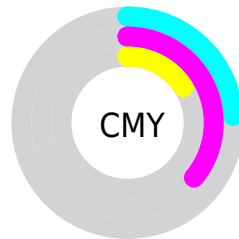


Cyan (10%)

Magenta (24%)

Yellow (0%)

Black (16%)



Cyan (24%)

Magenta (36%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0502, 42.0332, 69.2517 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 47.0502, 42.0332, 69.2517 by changing the saturation by 10% instead.





 47.0502, 42.0332,  
69.2517


 47.0502, 42.0332,  
69.2517


365.6604,  
354.6205, 476.6362

 33.2835, 29.1273,  
50.4437


 85.0068, 78.2499,  
119.8121

 22.5040, 19.1771,  
35.3924


 109.9274,  
102.3294, 152.4016

 14.3463, 11.7983,  
23.6794


139.2967,  
130.9023, 190.4219

 8.4453, 6.6065,  
14.8859

173.4800,  
164.3529, 234.2917

 4.4353, 3.2173,  
8.5936

212.8427,  
203.0656, 284.4295

 1.9512, 1.2462,  
4.3839

257.7500,

 0.6064, 0.0989,

247.4249, 341.2538

1.8382

308.5675,  
297.8151, 405.1832

■ 0.0000, 0.0000,  
0.4530

■ 0.0000, 0.0000,  
0.0000

■ 47.0502, 42.0332,  
69.2517

■ 47.0502, 42.0332,  
69.2517

■ 41.4576, 34.0231,  
68.0010

■ 53.4157, 51.3962,  
70.7241

■ 36.5992, 27.2945,  
66.9583

■ 60.5824, 62.1681,  
72.4256

■ 32.4389, 21.7773,  
66.1127

■ 68.5820, 74.4084,  
74.3665

■ 28.9355, 17.3927,  
65.4510

■ 77.4431, 88.1713,  
76.5560

■ 26.0428, 14.0518,  
64.9586

■ 82.5612, 94.2448,  
77.4586

■ 23.7077, 11.6521,  
64.6185

■ 85.5043, 95.7620,  
77.5963

■ 21.8662, 10.0691,  
64.4100

■ 88.5882, 97.3518,  
77.7406

■ 20.9758, 9.4113,  
64.3300

■ 89.1377, 97.6351,  
77.7663

# Harmonies

## Analogous

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



42.2615, 42.0332, 78.7401



47.0502, 42.0332, 69.2517



50.0667, 42.0332, 54.2278

# Triad

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



47.0502, 42.0332, 69.2517



42.8056, 42.0332, 23.8451



31.1806, 42.0332, 52.5717

# Complementary

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



47.0502, 42.0332, 69.2517



50.0982, 60.7702, 43.2739

# 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.



31.2993, 42.0332, 38.2355



47.0502, 42.0332, 69.2517



37.7268, 42.0332, 23.5867

# Square

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



47.0502, 42.0332, 69.2517



47.4775, 42.0332, 29.1024



33.6050, 42.0332, 28.3009



33.2657, 42.0332, 67.8199



# Rectangle

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



47.0502, 42.0332, 69.2517



50.5203, 42.0332, 44.1197



33.6050, 42.0332, 28.3009



30.9698, 42.0332, 47.4548

# Sweetspot

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



47.0515, 42.0350, 69.2526



87.0150, 87.7936, 106.9674



44.1109, 46.6808, 70.3044



18.4827, 18.5771, 22.8615



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.



47.0515, 42.0350, 69.2526



65.6773, 56.3172, 102.0165



52.2445, 44.7751, 66.6449



12.4454, 12.3710, 15.6694



12.7989, 5.7506, 38.8886



0.8645, 0.3945, 2.3499



# Inverse Universe

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



49.2006, 43.5576, 50.6162



69.5213, 59.0270, 69.3018



45.8619, 58.5410, 45.1213



12.6290, 12.5031, 13.9866



17.8361, 9.0708, 6.4410



1.1162, 0.5633, 0.6013



# Previews

## White Background



This preview shows how the XYZ color 47.0502, 42.0332, 69.2517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

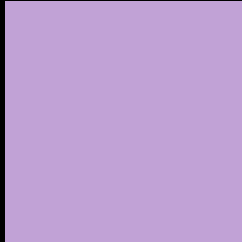
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.0502, 42.0332, 69.2517 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

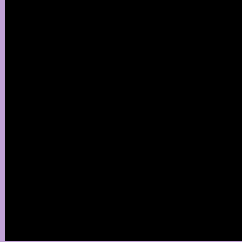
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.0502, 42.0332, 69.2517**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.0502, 42.0332, 69.2517.



This preview shows how white text looks on a background with the XYZ color 47.0502, 42.0332,



# 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

47.0502, 42.0332, 69.2517

### Protanopia

42.5016, 42.3026, 74.3318

### Deuteranopia

43.0530, 42.1608, 68.1561



## Tritanopia

43.0822, 42.0328, 49.5585

# Trichromacy



## Original Color

47.0502, 42.0332, 69.2517

## Protanomaly

43.8911, 41.9515, 72.1138

## Deuteranomaly

44.4194, 42.0252, 68.7213

## Tritanomaly

44.4971, 42.0698, 56.2271

# Monochromacy



## Original Color

47.0502, 42.0332, 69.2517

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

43.5752, 43.2900, 54.7743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.0502, 42.0332, 69.2517 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(193, 162, 214)` looks like.

```
.text, #text, p{  
    color:rgb(193, 162, 214)  
}
```

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(193, 162, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 162, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 47.0502, 42.0332, 69.2517 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(193, 162, 214) }
```



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

```
.border{ border-color:rgb(193, 162, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 162, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 162, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 162, 214);  
box-shadow:4px 4px 4px 4px rgb(193, 162,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.0502, 42.0332, 69.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 162, 214) }
```

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

```
.background{ background-color: rgb(193,  
162, 214) }
```

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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