

# Converting Colors

XYZ(45.3526, 37.9053, 48.6422)

Have a look what the booklet for  
XYZ(45.3526, 37.9053, 48.6422)  
contains.

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# Color

**XYZ(45.3526, 37.9053,  
48.6422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D293B5
RGB	210, 147, 181
RGB Percent	82%, 58%, 71%
CMY	0.1765, 0.4235, 0.2902
CMYK	0.00, 0.30, 0.14, 0.18
HSL	328°, 41%, 70%
HSV	328°, 30%, 82%
XYZ	45.3526, 37.9053, 48.6422
YIQ	169.7130, 26.6340, 23.9300

# Conversions

## Conversions Part 2

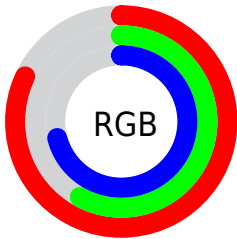
Format	Color
R <sub>Y</sub> B	210, 147, 181
Decimal	13800373
CIE Lab	67.95, 28.86, -8.15
CIE LCh	68, 29.985, 344.232
Yxy	37.9053, 0.3438, 0.2874
Android (android.graphics.Color)	4291990453 (0xFFD293B5)
YUV	169.7130, 5.5645, 35.3317
Hunter-Lab	61.5673, 23.7466, -3.7459

# Details

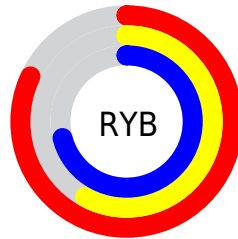
The XYZ color **45.3526, 37.9053, 48.6422** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.9173, 55.4319, 49.5144**, and the grayscale version is **38.0305, 40.0111, 43.5721**.

A 20% lighter version of the original color is **77.6466, 69.6155, 89.4655**, and **21.5061, 16.7115, 22.5142** is the 20% darker color. If you saturate the color by 10%, you get **41.4226, 31.5778, 42.6069**, and if you desaturate by 10%, it is **49.9497, 45.4560, 55.2403**.

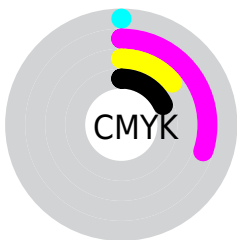
# Distribution



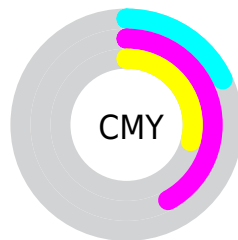
- Red (82%)
- Green (58%)
- Blue (71%)



- Red (82%)
- Yellow (58%)
- Blue (71%)



- Cyan (0%)
- Magenta (30%)
- Yellow (14%)
- Black (18%)




- Cyan (18%)
- Magenta (42%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3526, 37.9053, 48.6422 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 45.3526, 37.9053, 48.6422 by changing the saturation by 10% instead.





 45.3526, 37.9053,  
48.6422

 45.3526, 37.9053,  
48.6422


358.9594,  
337.2136, 397.9139

 31.9377, 25.9092,  
33.9721


 82.4831, 71.9630,  
89.5353

 21.4692, 16.7557,  
22.5950

 106.9294, 94.7933,  
116.5954

 13.5818, 10.0605,  
14.0923

135.7835,  
122.0039, 148.6226

 7.9102, 5.4391,  
8.0454

169.4109,  
153.9790, 186.0354

 4.0888, 2.5071,  
4.0358

208.1768,  
191.1032, 229.2524

 1.7525, 0.8802,  
1.6450

252.4466,

 0.4888, 0.0000,

233.7607, 278.6922

0.3226

302.5857,  
282.3361, 334.7732

■ 0.0000, 0.0000,  
0.0000

■ 45.3526, 37.9053,  
48.6422

■ 45.3526, 37.9053,  
48.6422

■ 41.4226, 31.5778,  
42.6069

■ 49.9497, 45.4560,  
55.2403

■ 38.1226, 26.4027,  
37.1141

■ 55.2419, 54.2851,  
62.4160

■ 35.4167, 22.3101,  
32.1450

■ 61.2598, 64.4509,  
70.1862

■ 33.2638, 19.2203,  
27.6786

■ 68.0307, 76.0065,  
78.5666

■ 31.6172, 17.0422,  
23.6920

■ 75.5808, 89.0021,  
87.5717

■ 30.4218, 15.6683,  
20.1588

■ 77.9193, 91.4541,  
95.2108

■ 29.5779, 14.9016,  
17.0376

■ 79.3864, 92.0409,  
102.9363

■ 29.5777, 14.9014,  
17.0370

■ 80.3886, 92.4418,  
108.2139

# Harmonies

## Analogous

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



42.6435, 37.9053, 62.5139



45.3526, 37.9053, 48.6422



45.4251, 37.9053, 35.2821

# Triad

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



45.3526, 37.9053, 48.6422



33.8705, 37.9053, 21.0682



29.9841, 37.9053, 61.8750

# Complementary

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



45.3526, 37.9053, 48.6422



42.9173, 55.4319, 49.5144

# 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.



28.0252, 37.9053, 47.9051



45.3526, 37.9053, 48.6422



30.1345, 37.9053, 25.4869

# Square

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



45.3526, 37.9053, 48.6422



38.5168, 37.9053, 21.1820



28.0778, 37.9053, 34.6874



33.6485, 37.9053, 71.2052



# Rectangle

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



45.3526, 37.9053, 48.6422



43.9513, 37.9053, 28.4594



28.0778, 37.9053, 34.6874



29.1189, 37.9053, 57.4485

# Sweetspot

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



45.3537, 37.9070, 48.6430



86.5060, 85.5595, 97.8900



39.8261, 34.6771, 65.5677



18.2392, 17.8486, 20.5870



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.



45.3537, 37.9070, 48.6430



66.3500, 52.3164, 69.3791



42.5306, 36.7778, 33.7768



12.0717, 11.9134, 13.6532



18.0931, 9.1101, 10.6625



1.0515, 0.5253, 0.8059



# Inverse Universe

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



45.3537, 37.9070, 48.6430



66.3500, 52.3164, 69.3791



46.3246, 56.7949, 67.4570



12.0717, 11.9134, 13.6532



18.0931, 9.1101, 10.6625



1.0515, 0.5253, 0.8059



# Previews

## White Background



This preview shows how the XYZ color 45.3526, 37.9053, 48.6422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

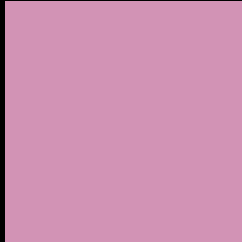
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.3526, 37.9053, 48.6422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

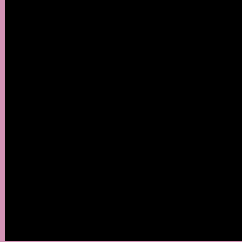
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.3526, 37.9053, 48.6422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.3526, 37.9053, 48.6422.



This preview shows how white text looks on a background with the XYZ color 45.3526, 37.9053,



# 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

45.3526, 37.9053, 48.6422

### Protanopia

37.6675, 38.2931, 55.2752

### Deuteranopia

38.6852, 37.9342, 47.4026



## Tritanopia

43.4404, 37.8312, 39.1950

# Trichromacy



## Original Color

45.3526, 37.9053, 48.6422

## Protanomaly

39.8944, 37.6683, 52.7450

## Deuteranomaly

40.7642, 37.7230, 47.7806

## Tritanomaly

44.2034, 37.9148, 42.5246

# Monochromacy



## Original Color

45.3526, 37.9053, 48.6422

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.5679, 39.2109, 45.4747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3526, 37.9053, 48.6422 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(210, 147, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 147, 181)  
}
```

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(210, 147, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 147, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3526, 37.9053, 48.6422 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(210, 147, 181) }
```



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

```
.border{ border-color:rgb(210, 147, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 147, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 147, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 147, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 147,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3526, 37.9053, 48.6422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 147, 181) }
```

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

```
.background{ background-color: rgb(210,  
147, 181) }
```

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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