

# Converting Colors

XYZ(45.1378, 37.4105, 45.2967)

Have a look what the booklet for  
XYZ(45.1378, 37.4105, 45.2967)  
contains.

<b>XYZ(45.0146, 37.3430, 45.3928)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(45.0146, 37.3430,  
45.3928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D491AF
RGB	212, 145, 175
RGB Percent	83%, 57%, 69%
CMY	0.1686, 0.4314, 0.3137
CMYK	0.00, 0.32, 0.17, 0.17
HSL	333°, 44%, 70%
HSV	333°, 32%, 83%
XYZ	45.0146, 37.3430, 45.3928
YIQ	168.4530, 30.3020, 23.5340

# Conversions

## Conversions Part 2

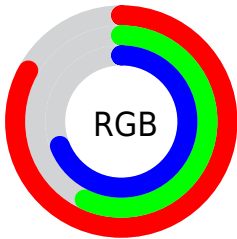
Format	Color
R <sub>YB</sub>	212, 145, 175
Decimal	13930927
CIE Lab	67.53, 29.68, -5.38
CIE LCh	68, 30.166, 349.719
Yxy	37.3430, 0.3524, 0.2923
Android (android.graphics.Color)	4292121007 (0xFFD491AF)
YUV	168.4530, 3.2277, 38.1907
Hunter-Lab	61.1089, 24.5477, -1.2654

# Details

The XYZ color **45.0146, 37.3430, 45.3928** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.6656, 56.4850, 52.8599**, and the grayscale version is **37.4172, 39.3658, 42.8694**.

A 20% lighter version of the original color is **76.3181, 68.3381, 84.7695**, and **21.2882, 16.5034, 20.8024** is the 20% darker color. If you saturate the color by 10%, you get **40.9719, 31.0185, 38.6157**, and if you desaturate by 10%, it is **49.7636, 44.9197, 52.8981**.

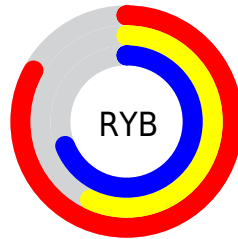
# Distribution



Red (83%)

Green (57%)

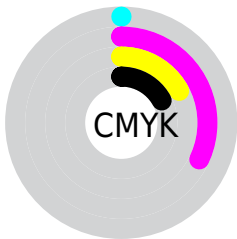
Blue (69%)



Red (83%)

Yellow (57%)

Blue (69%)

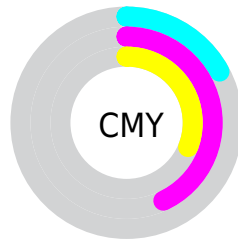


Cyan (0%)

Magenta (32%)

Yellow (17%)

Black (17%)



Cyan (17%)

Magenta (43%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0146, 37.3430, 45.3928 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 45.0146, 37.3430, 45.3928 by changing the saturation by 10% instead.





 45.0146, 37.3430,  
45.3928


 45.0146, 37.3430,  
45.3928

357.6154,  
334.7931, 384.5685

 31.6703, 25.4732,  
31.4217


 81.9793, 71.1000,  
84.6342

 21.2641, 16.4299,  
20.6590


 106.3303, 93.7560,  
110.7417

 13.4307, 9.8289,  
12.6862


135.0809,  
120.7761, 141.7316

 7.8049, 5.2857,  
7.0846

168.5964,  
152.5448, 178.0227

 4.0211, 2.4158,  
3.4358

207.2423,  
189.4465, 220.0334

 1.7141, 0.8340,  
1.3213

251.3839,

 0.4651, 0.0000,

231.8655, 268.1822

0.0791

301.3864,  
280.1862, 322.8877

■ 0.0000, 0.0000,  
0.0000

■ 45.0146, 37.3430,  
45.3928

■ 45.0146, 37.3430,  
45.3928

■ 40.9719, 31.0185,  
38.6157

■ 49.7636, 44.9197,  
52.8981

■ 37.5961, 25.8727,  
32.5400

■ 55.2492, 53.8065,  
61.1525

■ 34.8486, 21.8322,  
27.1404

■ 61.5038, 64.0641,  
70.1788

■ 32.6855, 18.8133,  
22.3887

■ 68.5568, 75.7476,  
79.9979

■ 31.0564, 16.7202,  
18.2541

■ 76.4360, 88.9092,  
90.6299

■ 29.9017, 15.4383,  
14.7017

■ 79.4312, 92.1250,  
100.1820

■ 29.2134, 14.8219,  
12.1282

■ 80.9615, 92.7371,  
108.2407

# Harmonies

## Analogous

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



42.7433, 37.3430, 59.5165



45.0146, 37.3430, 45.3928



44.5710, 37.3430, 32.6347

# Triad

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



45.0146, 37.3430, 45.3928



32.5677, 37.3430, 21.0398



30.0324, 37.3430, 63.4312

# Complementary

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



45.0146, 37.3430, 45.3928



43.6656, 56.4850, 52.8599

# 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.



27.7405, 37.3430, 49.9040



45.0146, 37.3430, 45.3928



29.1135, 37.3430, 26.2776

# Square

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



45.0146, 37.3430, 45.3928



37.1096, 37.3430, 20.3463



27.4194, 37.3430, 36.2685



33.9249, 37.3430, 71.3356



# Rectangle

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



45.0146, 37.3430, 45.3928



42.8070, 37.3430, 26.4216



27.4194, 37.3430, 36.2685



29.0642, 37.3430, 59.2691

# Sweetspot

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



45.0157, 37.3447, 45.3936



86.1866, 85.4318, 96.2083



41.2666, 34.9331, 66.8554



18.1606, 17.8171, 20.1731



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.



45.0157, 37.3447, 45.3936



64.0837, 49.9878, 61.8288



42.9084, 37.3330, 31.7347



12.6520, 12.5123, 14.1078



18.0837, 9.1698, 7.7447



1.1321, 0.5696, 0.6848



# Inverse Universe

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



45.0157, 37.3447, 45.3936



64.0837, 49.9878, 61.8288



46.2766, 56.2034, 70.6970



12.6520, 12.5123, 14.1078



18.0837, 9.1698, 7.7447

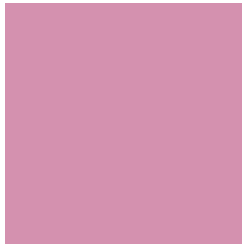


1.1321, 0.5696, 0.6848



# Previews

## White Background



This preview shows how the XYZ color 45.0146, 37.3430, 45.3928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

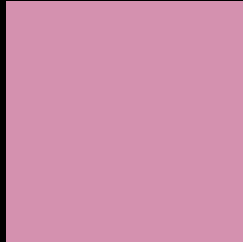
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0146, 37.3430, 45.3928 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 45.0146, 37.3430, 45.3928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0146, 37.3430, 45.3928.



This preview shows how white text looks on a background with the XYZ color 45.0146, 37.3430,

45.3928.

# 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

45.0146, 37.3430, 45.3928

### Protanopia

36.9430, 37.7158, 52.3465

### Deuteranopia

38.1487, 37.4673, 44.2510



## Tritanopia

43.4263, 37.3847, 37.7280

# Trichromacy



## Original Color

45.0146, 37.3430, 45.3928

## Protanomaly

39.4266, 37.2361, 49.9090

## Deuteranomaly

40.4994, 37.4070, 44.6209

## Tritanomaly

44.0892, 37.4329, 40.4988

# Monochromacy



## Original Color

45.0146, 37.3430, 45.3928

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

39.6887, 38.2722, 43.8235

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0146, 37.3430, 45.3928 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(212, 145, 175)` looks like.

```
.text, #text, p{  
    color:rgb(212, 145, 175)  
}
```

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(212, 145, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 145, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0146, 37.3430, 45.3928 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(212, 145, 175) }
```



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

```
.border{ border-color:rgb(212, 145, 175) }
```

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

Here you see how a box with a 4 pixel rgb(212, 145, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 145, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 145, 175);  
box-shadow:4px 4px 4px 4px rgb(212, 145,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0146, 37.3430, 45.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 145, 175) }
```

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

```
.background{ background-color: rgb(212,  
145, 175) }
```

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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