

# Converting Colors

XYZ(37.1449, 25.1111, 45.6862)

Have a look what the booklet for  
XYZ(37.1449, 25.1111, 45.6862)  
contains.

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# Color

**XYZ(37.1475, 25.1186,  
45.5383)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA65B3
RGB	202, 101, 179
RGB Percent	79%, 40%, 70%
CMY	0.2078, 0.6039, 0.2980
CMYK	0.00, 0.50, 0.11, 0.21
HSL	314°, 49%, 59%
HSV	314°, 50%, 79%
XYZ	37.1475, 25.1186, 45.5383
YIQ	140.0910, 35.1580, 45.6700

# Conversions

## Conversions Part 2

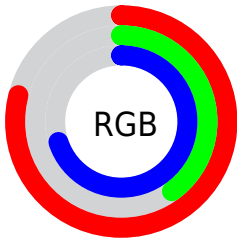
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	202, 101, 179
Decimal	13264307
CIE <sub>Lab</sub>	57.19, 50.09, -23.38
CIE <sub>LCh</sub>	57, 55.276, 334.982
Yxy	25.1186, 0.3446, 0.2330
Android (android.graphics.Color)	4291454387 (0xFFCA65B3)
YUV	140.0910, 19.1821, 54.2942
Hunter-Lab	50.1185, 44.5958, -18.7888

# Details

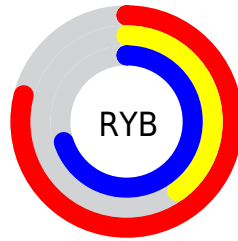
The XYZ color **37.1475, 25.1186, 45.5383** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.1266, 46.4639, 26.4512**, and the grayscale version is **24.8817, 26.1775, 28.5073**.

A 20% lighter version of the original color is **67.9567, 50.7008, 84.8018**, and **16.6365, 9.6504, 20.7245** is the 20% darker color. If you saturate the color by 10%, you get **34.9644, 21.4843, 42.5534**, and if you desaturate by 10%, it is **39.8297, 29.7254, 48.7667**.

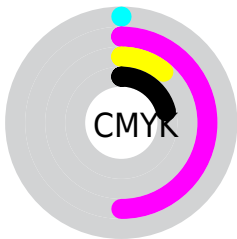
# Distribution



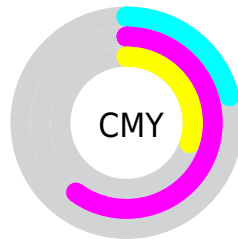
- Red (79%)
- Green (40%)
- Blue (70%)



- Red (79%)
- Yellow (40%)
- Blue (70%)



- Cyan (0%)
- Magenta (50%)
- Yellow (11%)
- Black (21%)




- Cyan (21%)
- Magenta (60%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1475, 25.1186, 45.5383 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 37.1475, 25.1186, 45.5383 by changing the saturation by 10% instead.





 37.1475, 25.1186,  
45.5383


 37.1475, 25.1186,  
45.5383

325.2931,  
278.4281, 385.1729

 25.4959, 16.1654,  
31.5356


 70.1119, 51.8496,  
84.8546


 16.5776, 9.6413,  
20.7452


 92.1555, 70.3962,  
111.0053

 10.0272, 5.1618,  
12.7484


 118.3938, 92.9093,  
142.0424

 5.4794, 2.3425,  
7.1269

 149.1921,  
119.7735, 178.3844

 2.5688, 0.7961,  
3.4619

184.9158,  
151.3731, 220.4499

 0.9301, 0.0000,  
1.3351

225.9304,

 0.0000, 0.0000,

188.0924, 268.6575

0.0903

272.6010,  
230.3160, 323.4256

■ 0.0000, 0.0000,  
0.0000

■ 37.1475, 25.1186,  
45.5383

■ 37.1475, 25.1186,  
45.5383

■ 34.9644, 21.4843,  
42.5534

■ 39.8297, 29.7254,  
48.7667

■ 33.2419, 18.7469,  
39.7976

■ 43.0410, 35.3658,  
52.2485

■ 31.9396, 16.8256,  
37.2570


■ 46.8118, 42.1000,  
55.9949

■ 31.0089, 15.6234,  
34.9146

■ 51.1697, 49.9827,  
60.0157


■ 30.3581, 14.9571,  
32.7391


■ 56.1402, 59.0648,  
64.3201

 30.3580, 14.9569,  
32.7385

 61.7473, 69.3942,  
68.9169

 68.0138, 81.0162,  
73.8143

 72.4866, 89.0244,  
78.1952

 73.0891, 89.2654,  
81.3682

# Harmonies

## Analogous

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



31.8162, 25.1186, 68.6293



37.1475, 25.1186, 45.5383



38.6856, 25.1186, 24.3457

# Triad

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



37.1475, 25.1186, 45.5383



22.8011, 25.1186, 4.8969



14.9979, 25.1186, 53.5632

# Complementary

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



37.1475, 25.1186, 45.5383



30.1266, 46.4639, 26.4512

# 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.



13.4278, 25.1186, 30.5915



37.1475, 25.1186, 45.5383



17.3782, 25.1186, 7.2069

# Square

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



37.1475, 25.1186, 45.5383



29.5845, 25.1186, 5.9986



14.2126, 25.1186, 14.7925



18.9509, 25.1186, 74.5561



# Rectangle

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



37.1475, 25.1186, 45.5383



37.1519, 25.1186, 14.8058



14.2126, 25.1186, 14.7925



14.2103, 25.1186, 45.5101

# Sweetspot

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



37.1483, 25.1198, 45.5388



82.6674, 77.4285, 98.0098



23.4673, 17.7754, 58.0718



17.3627, 15.9742, 20.6695



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.



37.1483, 25.1198, 45.5388



58.9304, 35.9383, 71.6496



33.0154, 23.4666, 23.7753



11.5740, 11.3583, 13.5572



19.5700, 9.6386, 21.2520



1.0371, 0.5082, 1.2411



# Inverse Universe

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



37.1483, 25.1198, 45.5388



58.9304, 35.9383, 71.6496



34.0684, 48.0406, 47.2082



11.5740, 11.3583, 13.5572



19.5700, 9.6386, 21.2520



1.0371, 0.5082, 1.2411



# Previews

## White Background



This preview shows how the XYZ color 37.1475, 25.1186, 45.5383 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

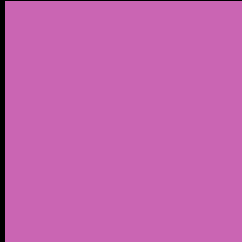
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.1475, 25.1186, 45.5383 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

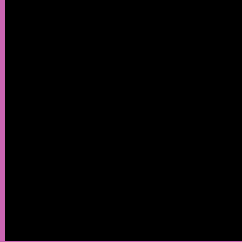
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.1475, 25.1186, 45.5383**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1475, 25.1186, 45.5383.



This preview shows how white text looks on a background with the XYZ color 37.1475, 25.1186,



# 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

37.1475, 25.1186, 45.5383

### Protanopia

26.7440, 25.3616, 61.8782

### Deuteranopia

25.8797, 25.3316, 43.0606



## Tritanopia

32.2951, 25.1755, 21.5696

# Trichromacy



## Original Color

37.1475, 25.1186, 45.5383

## Protanomaly

28.9008, 24.2624, 55.3844

## Deuteranomaly

28.9214, 24.5302, 43.7679

## Tritanomaly

33.7153, 24.9262, 29.0209

# Monochromacy



## Original Color

37.1475, 25.1186, 45.5383

## Achromatopsia

24.9269, 26.2251, 28.5591

## Achromatomaly

28.3978, 25.0413, 33.9086

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1475, 25.1186, 45.5383 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, 101, 179)` looks like.

```
.text, #text, p{  
    color:rgb(202, 101, 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, 101, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 101, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1475, 25.1186, 45.5383 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, 101, 179) }
```



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

```
.border{ border-color:rgb(202, 101, 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, 101, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 101, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 101, 179);  
box-shadow:4px 4px 4px 4px rgb(202, 101,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1475, 25.1186, 45.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 101, 179) }
```

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

```
.background{ background-color: rgb(202,  
101, 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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