

# Converting Colors

XYZ(37.3144, 18.4411, 37.6692)

Have a look what the booklet for  
XYZ(37.3144, 18.4411, 37.6692)  
contains.

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# Color

**XYZ(37.3144, 18.4411,  
37.6692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF00A6
RGB	223, 0, 166
RGB Percent	87%, 0%, 65%
CMY	0.1255, 0.9998, 0.3490
CMYK	0.00, 1.00, 0.26, 0.13
HSL	315°, 100%, 44%
HSV	315°, 100%, 87%
XYZ	37.3144, 18.4411, 37.6692
YIQ	85.6010, 79.6220, 98.9020

# Conversions

## Conversions Part 2

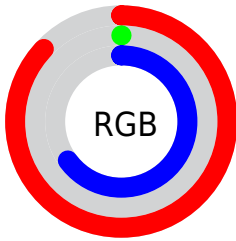
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 0, 166
Decimal	14614694
CIE <sub>Lab</sub>	50.03, 81.52, -26.56
CIE <sub>LCh</sub>	50, 85.734, 341.951
Yxy	18.4411, 0.3994, 0.1974
Android (android.graphics.Color)	4292804774 (0xFFDF00A6)
YUV	85.6010, 39.6367, 120.4989
Hunter-Lab	42.9431, 79.9530, -21.9483

# Details

The XYZ color **37.3144, 18.4411, 37.6692** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **27.1278, 53.0717, 12.6900**, and the grayscale version is **8.6728, 9.1245, 9.9366**.

A 20% lighter version of the original color is **58.3834, 34.6649, 72.0205**, and **17.9376, 8.8963, 16.6913** is the 20% darker color. If you saturate the color by 10%, you get **37.3137, 18.4409, 37.6646**, and if you desaturate by 10%, it is **38.1428, 19.2420, 40.5832**.

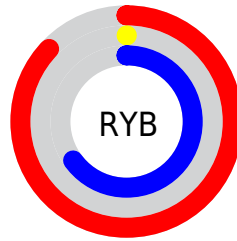
# Distribution



Red (87%)

Green (0%)

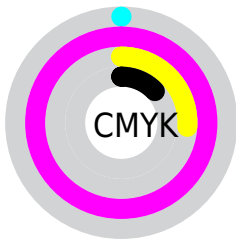
Blue (65%)



Red (87%)

Yellow (0%)

Blue (65%)

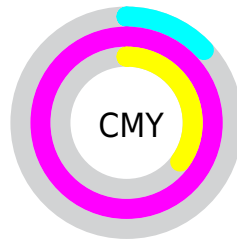


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (13%)



Cyan (13%)

Magenta (100%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3144, 18.4411, 37.6692 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 37.3144, 18.4411, 37.6692 by changing the saturation by 10% instead.





 37.3144, 18.4411,  
37.6692


 37.3144, 18.4411,  
37.6692

326.0016,  
243.3457, 351.4543


 25.6258, 11.2671,  
25.4262

 70.3668, 40.7875,  
72.7986


 16.6751, 6.2468,  
16.1730


 92.4612, 56.7288,  
96.5221


 10.0970, 2.9957,  
9.4910

 118.7551, 76.3612,  
124.9095

 5.5261, 1.1295,  
4.9616

 149.6136,  
100.0693, 158.3794

 2.5970, 0.0030,  
2.1664

 185.4021,  
128.2374, 197.3503

 0.9444, 0.0000,  
0.6549

 226.4861,

 0.0000, 0.0000,

161.2499, 242.2407

0.0000

273.2308,  
199.4912, 293.4692

■ 37.3144, 18.4411,  
37.6692

■ 37.3144, 18.4411,  
37.6692

■ 37.3137, 18.4409,  
37.6646

■ 38.1428, 19.2420,  
40.5832

■ 39.3323, 20.7278,  
43.7334

■ 40.9931, 23.1183,  
47.1579

■ 43.1880, 26.5383,  
50.8790

■ 45.9695, 31.0927,  
54.9157

■ 49.3839, 36.8735,  
59.2846

■ 53.4727, 43.9634,  
64.0010

■ 58.2738, 52.4375,  
69.0788

■ 63.8222, 62.3656,  
74.5308

# Harmonies

## Analogous

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



30.3927, 18.4411, 76.2437



37.3144, 18.4411, 37.6692



38.0407, 18.4411, 12.0737

# Triad

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



37.3144, 18.4411, 37.6692



14.4478, 18.4411, 0.1662



8.1892, 18.4411, 68.2371

# Complementary

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



37.3144, 18.4411, 37.6692



27.1278, 53.0717, 12.6900

# 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.



6.1492, 18.4411, 31.0151



37.3144, 18.4411, 37.6692



8.9277, 18.4411, 1.7093

# Square

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



37.3144, 18.4411, 37.6692



22.9077, 18.4411, 0.3312



6.3687, 18.4411, 9.0484



13.0638, 18.4411, 101.4710



# Rectangle

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



37.3144, 18.4411, 37.6692



34.6965, 18.4411, 4.3687



6.3687, 18.4411, 9.0484



7.2299, 18.4411, 54.9262

# Sweetspot

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



37.3150, 18.4421, 37.6695



72.3195, 59.3239, 86.5721



14.9383, 6.1630, 70.2147



14.9530, 11.7805, 17.9374



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.



37.3150, 18.4421, 37.6695



50.5134, 24.9694, 50.7632



31.1405, 15.9723, 5.1548



14.1375, 13.8726, 16.4943



21.9878, 10.8621, 22.3992



1.5597, 0.7671, 1.7400



# Inverse Universe

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



37.3150, 18.4421, 37.6695



50.5134, 24.9694, 50.7632



33.3875, 55.5756, 45.6529



14.1375, 13.8726, 16.4943



21.9878, 10.8621, 22.3992



1.5597, 0.7671, 1.7400



# Previews

## White Background



This preview shows how the XYZ color 37.3144, 18.4411, 37.6692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

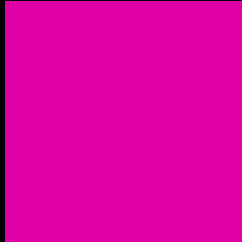
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3144, 18.4411, 37.6692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

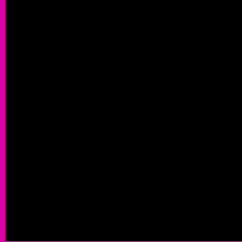
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.3144, 18.4411, 37.6692**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3144, 18.4411, 37.6692.



This preview shows how white text looks on a background with the XYZ color 37.3144, 18.4411,



# 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

37.3144, 18.4411, 37.6692

### Protanopia

22.7682, 19.4317, 81.9076

### Deuteranopia

19.4527, 19.1376, 33.6790



## Tritanopia

31.2834, 18.8092, 7.6119

# Trichromacy



## Original Color

37.3144, 18.4411, 37.6692



## Protanomaly

20.8887, 13.0455, 63.0451



## Deuteranomaly

22.1689, 14.5421, 34.4394



## Tritanomaly

32.5050, 17.6454, 14.7894

# Monochromacy



## Original Color

37.3144, 18.4411, 37.6692



## Achromatopsia

8.8453, 9.3059, 10.1341



## Achromatomaly

14.6140, 9.2044, 17.2260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3144, 18.4411, 37.6692 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(223, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 166)  
}
```

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(223, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3144, 18.4411, 37.6692 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(223, 0, 166) }
```



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

```
.border{ border-color:rgb(223, 0, 166) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3144, 18.4411, 37.6692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 166) }
```

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

```
.background{ background-color: rgb(223, 0,  
166) }
```

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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