

# Converting Colors

XYZ(35.2507, 15.0189, 46.9988)

Have a look what the booklet for  
XYZ(35.2507, 15.0189, 46.9988)  
contains.

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# Color

**XYZ(36.7813, 17.9499,  
47.4250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D700B9
RGB	215, 0, 185
RGB Percent	84%, 0%, 73%
CMY	0.1569, 0.9999, 0.2745
CMYK	0.00, 1.00, 0.14, 0.16
HSL	308°, 100%, 42%
HSV	308°, 100%, 84%
XYZ	36.7813, 17.9499, 47.4250
YIQ	85.3750, 68.7550, 103.1150

# Conversions

## Conversions Part 2

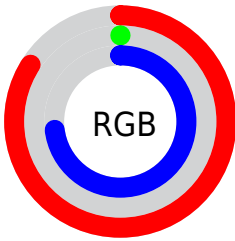
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 0, 185
Decimal	14090425
CIE <sub>Lab</sub>	49.44, 82.31, -38.79
CIE <sub>LCh</sub>	49, 90.993, 334.771
Yxy	17.9499, 0.3600, 0.1757
Android (android.graphics.Color)	4292280505 (0xFFD700B9)
YUV	85.3750, 49.1151, 113.6811
Hunter-Lab	42.3673, 80.8224, -36.7107

# Details

The XYZ color **36.7813, 17.9499, 47.4250** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **24.5359, 48.6954, 9.3369**, and the grayscale version is **8.6079, 9.0562, 9.8622**.

A 20% lighter version of the original color is **61.2697, 35.6762, 87.6613**, and **17.6143, 8.6073, 22.2057** is the 20% darker color. If you saturate the color by 10%, you get **36.7810, 17.9498, 47.4222**, and if you desaturate by 10%, it is **37.3799, 18.6344, 49.2041**.

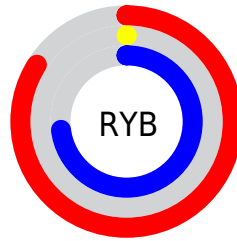
# Distribution



Red (84%)

Green (0%)

Blue (73%)



Red (84%)

Yellow (0%)

Blue (73%)

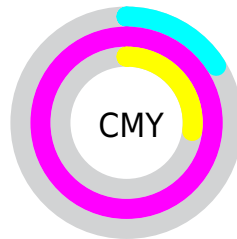


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (16%)



Cyan (16%)

Magenta (100%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7813, 17.9499, 47.4250 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 36.7813, 17.9499, 47.4250 by changing the saturation by 10% instead.




 36.7813, 17.9499,  
47.4250


 36.7813, 17.9499,  
47.4250

323.7347,  
240.5885, 392.9512


 25.2111, 10.9140,  
33.0150

 69.5523, 39.9519,  
87.7043


 16.3640, 6.0090,  
21.8667


 91.4838, 55.6869,  
114.4107

 9.8746, 2.8506,  
13.5616


 117.5999, 75.0903,  
146.0529

 5.3775, 1.0542,  
7.6812

 148.2657, 98.5466,  
183.0496

 2.5074, 0.0000,  
3.8068

 183.8468,  
126.4402, 225.8192

 0.8990, 0.0000,  
1.5200

 224.7084,

 0.0000, 0.0000,

159.1554, 274.7803

0.2327

271.2159,  
197.0768, 330.3514

■ 0.0000, 0.0000,  
0.0000

■ 36.7813, 17.9499,  
47.4250

■ 36.7813, 17.9499,  
47.4250

■ 36.7810, 17.9498,  
47.4222

■ 37.3799, 18.6344,  
49.2041

■ 38.2940, 19.9394,  
51.1214

■ 39.6263, 22.0701,  
53.2116

■ 41.4338, 25.1402,  
55.4936

■ 43.7643, 29.2455,  
57.9839

■ 46.6598, 34.4699,  
60.6964

■ 50.1582, 40.8887,  
63.6440

■ 54.2937, 48.5707,  
66.8383

■ 59.0982, 57.5795,  
70.2901

# Harmonies

## Analogous

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



28.3165, 17.9499, 89.8101



36.7813, 17.9499, 47.4250



39.3731, 17.9499, 15.8693

# Triad

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



36.7813, 17.9499, 47.4250



15.7241, 17.9499, 0.0000



6.7740, 17.9499, 60.8201

# Complementary

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



36.7813, 17.9499, 47.4250



24.5359, 48.6954, 9.3369

# 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.



5.3291, 17.9499, 23.7471



36.7813, 17.9499, 47.4250



9.2703, 17.9499, 0.7332

# Square

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



36.7813, 17.9499, 47.4250



25.1113, 17.9499, 0.2042



6.0589, 17.9499, 5.5229



10.9461, 17.9499, 101.1253



# Rectangle

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



36.7813, 17.9499, 47.4250



36.8746, 17.9499, 5.6720



6.0589, 17.9499, 5.5229



6.0309, 17.9499, 46.8081

# Sweetspot

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



36.7820, 17.9508, 47.4253



73.6384, 59.8515, 93.5171



12.7645, 5.1640, 64.6145



15.2712, 11.9077, 19.6130



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.



36.7820, 17.9508, 47.4253



54.0805, 26.3962, 69.5471



29.4311, 15.0105, 8.7161



12.8750, 12.6015, 15.2820



22.0289, 10.7479, 28.5197



1.3497, 0.6567, 1.8307



# Inverse Universe

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



36.7820, 17.9508, 47.4253



54.0805, 26.3962, 69.5471



28.7579, 50.3842, 31.5695



12.8750, 12.6015, 15.2820



22.0289, 10.7479, 28.5197



1.3497, 0.6567, 1.8307



# Previews

## White Background



This preview shows how the XYZ color 36.7813, 17.9499, 47.4250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

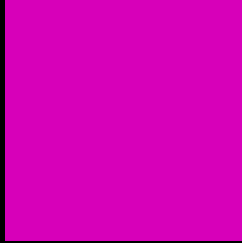
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.7813, 17.9499, 47.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

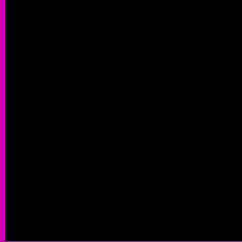
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.7813, 17.9499, 47.4250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7813, 17.9499, 47.4250.



This preview shows how white text looks on a background with the XYZ color 36.7813, 17.9499,

47.4250.

# 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

36.7813, 17.9499, 47.4250

### Protanopia

22.4599, 18.7931, 88.0316

### Deuteranopia

19.0482, 18.5542, 42.6218



## Tritanopia

28.8989, 18.2800, 9.0264

# Trichromacy



## Original Color

36.7813, 17.9499, 47.4250



## Protanomaly

18.8437, 11.7125, 71.0796



## Deuteranomaly

21.3672, 13.8220, 43.6612



## Tritanomaly

30.4239, 16.7703, 18.1565

# Monochromacy



## Original Color

36.7813, 17.9499, 47.4250



## Achromatopsia

8.6345, 9.0842, 9.8927



## Achromatomaly

14.2861, 8.9243, 19.0588

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7813, 17.9499, 47.4250 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(215, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 185)  
}
```

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(215, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7813, 17.9499, 47.4250 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(215, 0, 185) }
```



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

```
.border{ border-color:rgb(215, 0, 185) }
```

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

Here you see how a box with a 4 pixel rgb(215, 0, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7813, 17.9499, 47.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 185) }
```

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

```
.background{ background-color: rgb(215, 0,  
185) }
```

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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