

# Converting Colors

XYZ(36.6267, 18.3981, 42.5255)

Have a look what the booklet for  
XYZ(36.6267, 18.3981, 42.5255)  
contains.

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# Color

**XYZ(36.7387, 18.4601,  
42.7011)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D916B0
RGB	217, 22, 176
RGB Percent	85%, 9%, 69%
CMY	0.1490, 0.9136, 0.3098
CMYK	0.00, 0.90, 0.19, 0.15
HSL	313°, 82%, 47%
HSV	313°, 90%, 85%
XYZ	36.7387, 18.4601, 42.7011
YIQ	97.8610, 66.7860, 89.2340

# Conversions

## Conversions Part 2

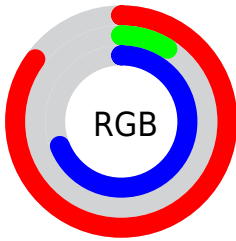
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 22, 176
Decimal	14227120
CIE <sub>Lab</sub>	50.05, 79.53, -32.52
CIE <sub>LCh</sub>	50, 85.916, 337.762
Yxy	18.4601, 0.3753, 0.1886
Android (android.graphics.Color)	4292417200 (0xFFD916B0)
YUV	97.8610, 38.5225, 104.4849
Hunter-Lab	42.9652, 77.4427, -28.8499

# Details

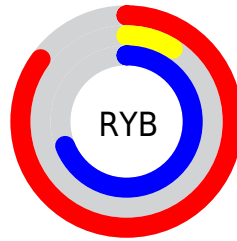
The XYZ color **36.7387, 18.4601, 42.7011** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **26.0422, 50.1561, 13.0143**, and the grayscale version is **11.4736, 12.0711, 13.1454**.

A 20% lighter version of the original color is **60.2673, 36.0099, 80.1181**, and **17.4798, 8.5982, 19.4772** is the 20% darker color. If you saturate the color by 10%, you get **36.0115, 17.7158, 40.2684**, and if you desaturate by 10%, it is **37.8016, 19.8508, 45.3208**.

# Distribution



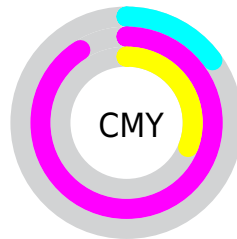
- Red (85%)
- Green (9%)
- Blue (69%)



- Red (85%)
- Yellow (9%)
- Blue (69%)



- Cyan (0%)
- Magenta (90%)
- Yellow (19%)
- Black (15%)




- Cyan (15%)
- Magenta (91%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7387, 18.4601, 42.7011 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 36.7387, 18.4601, 42.7011 by changing the saturation by 10% instead.





 36.7387, 18.4601,  
42.7011


 36.7387, 18.4601,  
42.7011


323.5531,  
243.4518, 373.2661

 25.1780, 11.2808,  
29.3210


 69.4872, 40.8198,  
80.5411


 16.3391, 6.2560,  
19.0761

 91.4056, 56.7690,  
105.8381


 9.8568, 3.0014,  
11.5479


 117.5074, 76.4102,  
135.9445

 5.3657, 1.1325,  
6.3179

 148.1578,  
100.1280, 171.2788

 2.5003, 0.0055,  
2.9674

 183.7222,  
128.3066, 212.2596

 0.8954, 0.0000,  
1.0780

 224.5660,

 0.0000, 0.0000,

161.3305, 259.3054

0.0000

271.0545,  
199.5841, 312.8347

■ 36.7387, 18.4601,  
42.7011

■ 36.7387, 18.4601,  
42.7011

■ 36.0115, 17.7158,  
40.2684

■ 37.8016, 19.8508,  
45.3208

■ 36.0015, 17.7062,  
40.2333

■ 39.3004, 22.0891,  
48.1613

■ 41.2939, 25.2920,  
51.2430

■ 43.8311, 29.5574,  
54.5829

■ 46.9551, 34.9711,  
58.1961

■ 50.7044, 41.6101,  
62.0961

■ 55.1144, 49.5448,  
66.2954

■ 60.2177, 58.8401,  
70.8055

■ 66.0446, 69.5567,  
75.6371

# Harmonies

## Analogous

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



29.1818, 18.4601, 81.7812



36.7387, 18.4601, 42.7011



38.4606, 18.4601, 14.5606

# Triad

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



36.7387, 18.4601, 42.7011



15.4867, 18.4601, 0.0814



7.7455, 18.4601, 62.8124

# Complementary

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



36.7387, 18.4601, 42.7011



26.0422, 50.1561, 13.0143

# 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.



6.0436, 18.4601, 26.8913



36.7387, 18.4601, 42.7011



9.5051, 18.4601, 1.3210

# Square

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



36.7387, 18.4601, 42.7011



24.2703, 18.4601, 0.4731



6.5671, 18.4601, 7.3308



12.1945, 18.4601, 98.4608



# Rectangle

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



36.7387, 18.4601, 42.7011



35.6900, 18.4601, 5.4838



6.5671, 18.4601, 7.3308



6.9089, 18.4601, 49.6096

# Sweetspot

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



36.7393, 18.4611, 42.7014



74.6364, 62.7634, 91.0262



14.7373, 6.5770, 66.1390



15.5360, 12.6484, 19.0503



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.



36.7393, 18.4611, 42.7014



51.8272, 25.4949, 57.6815



30.3699, 15.9133, 9.1604



13.4910, 13.2255, 15.8468



21.8330, 10.7343, 24.5645



1.4445, 0.7074, 1.7494



# Inverse Universe

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



36.7393, 18.4611, 42.7014



51.8272, 25.4949, 57.6815



31.3597, 52.2831, 41.0158



13.4910, 13.2255, 15.8468



21.8330, 10.7343, 24.5645



1.4445, 0.7074, 1.7494



# Previews

## White Background



This preview shows how the XYZ color 36.7387, 18.4601, 42.7011 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

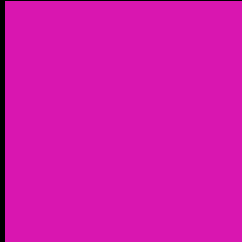
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.7387, 18.4601, 42.7011 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

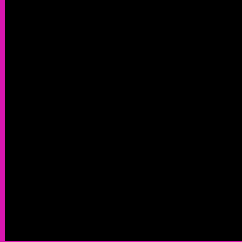
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.7387, 18.4601, 42.7011**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7387, 18.4601, 42.7011.



This preview shows how white text looks on a background with the XYZ color 36.7387, 18.4601,



# 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

36.7387, 18.4601, 42.7011

### Protanopia

22.9926, 19.2027, 89.6834

### Deuteranopia

19.3322, 18.9744, 38.2408



## Tritanopia

29.8177, 18.5698, 8.6694

# Trichromacy



## Original Color

36.7387, 18.4601, 42.7011



## Protanomaly

19.8148, 13.1863, 69.9075



## Deuteranomaly

22.1858, 15.3162, 39.3231



## Tritanomaly

31.3491, 17.7131, 17.0959

# Monochromacy



## Original Color

36.7387, 18.4601, 42.7011



## Achromatopsia

11.6093, 12.2139, 13.3009



## Achromatomaly

16.9406, 11.5494, 21.0751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7387, 18.4601, 42.7011 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(217, 22, 176)` looks like.

```
.text, #text, p{  
    color:rgb(217, 22, 176)  
}
```

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(217, 22, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 22, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7387, 18.4601, 42.7011 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(217, 22, 176) }
```



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

```
.border{ border-color:rgb(217, 22, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 22, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 22, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 22, 176);  
box-shadow:4px 4px 4px 4px rgb(217, 22,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7387, 18.4601, 42.7011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 22, 176) }
```

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

```
.background{ background-color: rgb(217, 22,  
176) }
```

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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