

Converting Colors

XYZ(37.3888, 18.2525, 47.9275)

Have a look what the booklet for
XYZ(37.3888, 18.2525, 47.9275)
contains.

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Color

**XYZ(37.4782, 18.2969,
48.0107)**

Conversions

Conversions Part 1

Format	Color
Hex	D900BA
RGB	217, 0, 186
RGB Percent	85%, 0%, 73%
CMY	0.1490, 0.9999, 0.2706
CMYK	0.00, 1.00, 0.14, 0.15
HSL	309°, 100%, 43%
HSV	309°, 100%, 85%
XYZ	37.4782, 18.2969, 48.0107
YIQ	86.0870, 69.6260, 103.8500

Conversions

Conversions Part 2

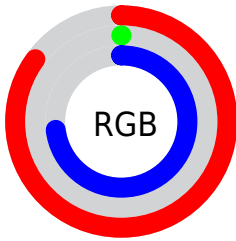
Format	Color
R_{YB}	217, 0, 186
Decimal	14221498
CIE _{Lab}	49.85, 82.79, -38.68
CIE _{LCh}	50, 91.386, 334.956
Yxy	18.2969, 0.3611, 0.1763
Android (android.graphics.Color)	4292411578 (0xFFD900BA)
YUV	86.0870, 49.2571, 114.8107
Hunter-Lab	42.7749, 81.5409, -36.6049

Details

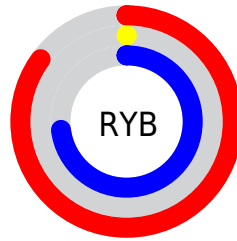
The XYZ color **37.4782, 18.2969, 48.0107** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **25.0613, 49.7255, 9.5761**, and the grayscale version is **8.7569, 9.2129, 10.0329**.

A 20% lighter version of the original color is **61.4204, 35.7365, 88.4546**, and **18.0695, 8.8340, 22.5826** is the 20% darker color. If you saturate the color by 10%, you get **37.4779, 18.2968, 48.0079**, and if you desaturate by 10%, it is **38.0937, 18.9942, 49.8600**.

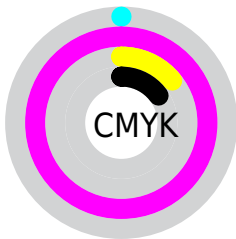
Distribution



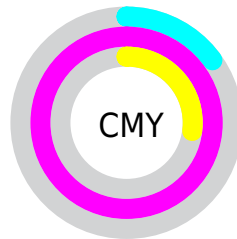
- Red (85%)
- Green (0%)
- Blue (73%)



- Red (85%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4782, 18.2969, 48.0107 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 37.4782, 18.2969, 48.0107 by changing the saturation by 10% instead.

 37.4782, 18.2969,
48.0107


 37.4782, 18.2969,
48.0107

326.6960,
242.5392, 395.3445


 25.7533, 11.1634,
33.4753


 70.6167, 40.5426,
88.5861

 16.7709, 6.1768,
22.2167


 92.7611, 56.4235,
115.4631

 10.1656, 2.9529,
13.8164

 119.1093, 75.9890,
147.2911

 5.5720, 1.1072,
7.8558

 150.0268, 99.6235,
184.4886

 2.6248, 0.0000,
3.9164

 185.8788,
127.7114, 227.4742

 0.9586, 0.0000,
1.5796

 227.0308,

 0.0000, 0.0000,

160.6371, 276.6663

0.2762

273.8480,
198.7849, 332.4835

■ 0.0000, 0.0000,
0.0000

■ 37.4782, 18.2969,
48.0107

■ 37.4782, 18.2969,
48.0107

■ 37.4779, 18.2968,
48.0079

■ 38.0937, 18.9942,
49.8600

■ 39.0322, 20.3263,
51.8524

■ 40.3982, 22.5021,
54.0231

■ 42.2501, 25.6378,
56.3917

■ 44.6369, 29.8316,
58.9747

■ 47.6015, 35.1692,
61.7866

■ 51.1825, 41.7278,
64.8407

■ 55.4152, 49.5777,
68.1487

■ 60.3320, 58.7840,
71.7217

Harmonies

Analogous

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



28.8986, 18.2969, 91.0737



37.4782, 18.2969, 48.0107



40.0654, 18.2969, 16.0485

Triad

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



37.4782, 18.2969, 48.0107



15.9795, 18.2969, 0.0000



6.9373, 18.2969, 62.1471

Complementary

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



37.4782, 18.2969, 48.0107



25.0613, 49.7255, 9.5761

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.



5.4503, 18.2969, 24.3739



37.4782, 18.2969, 48.0107



9.4331, 18.2969, 0.7730

Square

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



37.4782, 18.2969, 48.0107



25.5138, 18.2969, 0.2210



6.1803, 18.2969, 5.7092



11.2055, 18.2969, 103.0077

Rectangle

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



37.4782, 18.2969, 48.0107



37.4962, 18.2969, 5.7381



6.1803, 18.2969, 5.7092



6.1749, 18.2969, 47.8914

Sweetspot

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



37.4789, 18.2978, 48.0110



73.5997, 59.8360, 93.3136



13.0306, 5.2713, 65.9768



15.2619, 11.9040, 19.5637



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.



37.4789, 18.2978, 48.0110



53.9689, 26.3516, 68.9597



30.0488, 15.3258, 8.8848



13.5302, 13.2412, 16.0533



22.7170, 11.0878, 29.2195



1.4941, 0.7273, 2.0109

Inverse Universe

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



37.4789, 18.2978, 48.0110



53.9689, 26.3516, 68.9597



29.3611, 51.4454, 32.2181



13.5302, 13.2412, 16.0533



22.7170, 11.0878, 29.2195



1.4941, 0.7273, 2.0109

Previews

White Background



This preview shows how the XYZ color 37.4782, 18.2969, 48.0107 looks on a white background.

Color Contrast Check

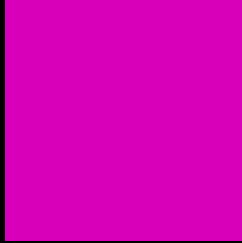
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4782, 18.2969, 48.0107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

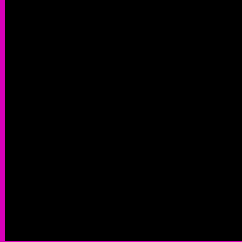
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4782, 18.2969, 48.0107

Background



This preview shows how black text looks on a background with the XYZ color 37.4782, 18.2969, 48.0107.



This preview shows how white text looks on a background with the XYZ color 37.4782, 18.2969,

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

37.4782, 18.2969, 48.0107

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.3717, 18.8855, 43.1817



Tritanopia

29.4542, 18.5663, 9.0524

Trichromacy



Original Color

37.4782, 18.2969, 48.0107



Protanomaly

19.2638, 11.9961, 72.5343



Deuteranomaly

21.7056, 14.0863, 44.2227



Tritanomaly

31.0518, 17.0872, 18.4912

Monochromacy



Original Color

37.4782, 18.2969, 48.0107



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7106, 9.2058, 19.4139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4782, 18.2969, 48.0107 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, 0, 186)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 186)  
}
```

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, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 186) }
```

Border

The CSS property to change the border of an element to XYZ 37.4782, 18.2969, 48.0107 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, 0, 186) }
```


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

```
.border{ border-color:rgb(217, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4782, 18.2969, 48.0107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 186) }
```

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

```
.background{ background-color: rgb(217, 0,  
186) }
```

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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