

Converting Colors

XYZ(38.5135, 18.7906, 49.8695)

Have a look what the booklet for
XYZ(38.5135, 18.7906, 49.8695)
contains.

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Color

**XYZ(38.3987, 18.7342,
49.7363)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00BD
RGB	219, 0, 189
RGB Percent	86%, 0%, 74%
CMY	0.1412, 0.9998, 0.2588
CMYK	0.00, 1.00, 0.14, 0.14
HSL	308°, 100%, 43%
HSV	308°, 100%, 86%
XYZ	38.3987, 18.7342, 49.7363
YIQ	87.0270, 69.8550, 105.2070

Conversions

Conversions Part 2

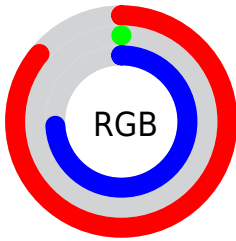
Format	Color
R_{YB}	219, 0, 189
Decimal	14352573
CIE _{Lab}	50.37, 83.53, -39.59
CIE _{LCh}	50, 92.435, 334.641
Yxy	18.7342, 0.3593, 0.1753
Android (android.graphics.Color)	4292542653 (0xFFDB00BD)
YUV	87.0270, 50.2727, 115.7403
Hunter-Lab	43.2830, 82.6117, -37.8317

Details

The XYZ color **38.3987, 18.7342, 49.7363** 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 **25.5670, 50.7576, 9.6806**, and the grayscale version is **8.9545, 9.4208, 10.2593**.

A 20% lighter version of the original color is **61.9668, 36.0982, 90.8904**, and **18.6712, 9.1202, 23.6980** is the 20% darker color. If you saturate the color by 10%, you get **38.3984, 18.7341, 49.7335**, and if you desaturate by 10%, it is **39.0139, 19.4375, 51.5652**.

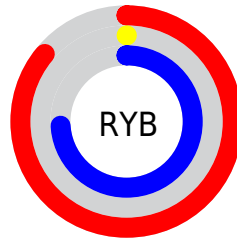
Distribution



Red (86%)

Green (0%)

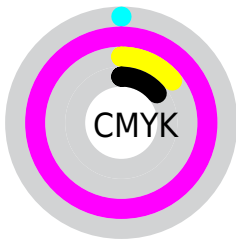
Blue (74%)



Red (86%)

Yellow (0%)

Blue (74%)

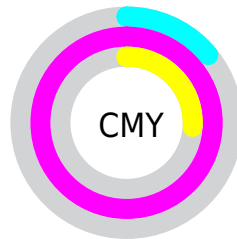


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3987, 18.7342, 49.7363 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 38.3987, 18.7342, 49.7363 by changing the saturation by 10% instead.


 38.3987, 18.7342,
49.7363

 38.3987, 18.7342,
49.7363


330.5786,
244.9774, 402.3393


 26.4709, 11.4784,
34.8342


 72.0188, 41.2845,
91.1763


 17.3108, 6.3896,
23.2527


 94.4418, 57.3477,
118.5513

 10.5530, 3.0834,
14.5731


 121.0939, 77.1155,
150.9210

 5.8322, 1.1754,
8.3771

 152.3405,
100.9724, 188.7040

 2.7830, 0.0415,
4.2459

 188.5469,
129.3026, 232.3188

 1.0401, 0.0000,
1.7612

 230.0785,

 0.0000, 0.0000,

162.4906, 282.1839

0.4022

277.3006,
200.9207, 338.7179

■ 0.0000, 0.0000,
0.0000

■ 38.3987, 18.7342,
49.7363

■ 38.3987, 18.7342,
49.7363

■ 38.3984, 18.7341,
49.7335

■ 39.0139, 19.4375,
51.5652

■ 39.9588, 20.7897,
53.5374

■ 41.3399, 23.0035,
55.6885

■ 43.2167, 26.1976,
58.0388

■ 45.6394, 30.4726,
60.6050

■ 48.6519, 35.9161,
63.4021

■ 52.2938, 42.6071,
66.4434

■ 56.6010, 50.6176,
69.7410

■ 61.6069, 60.0140,
73.3063

Harmonies

Analogous

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



29.5289, 18.7342, 94.0756



38.3987, 18.7342, 49.7363



41.1431, 18.7342, 16.6549

Triad

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



38.3987, 18.7342, 49.7363



16.4461, 18.7342, 0.0000



7.0468, 18.7342, 63.3693

Complementary

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



38.3987, 18.7342, 49.7363



25.5670, 50.7576, 9.6806

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.



5.5489, 18.7342, 24.6646



38.3987, 18.7342, 49.7363



9.6872, 18.7342, 0.7553

Square

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



38.3987, 18.7342, 49.7363



26.2683, 18.7342, 0.2325



6.3205, 18.7342, 5.7075



11.3901, 18.7342, 105.5967

Rectangle

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



38.3987, 18.7342, 49.7363



38.5516, 18.7342, 5.9512



6.3205, 18.7342, 5.7075



6.2748, 18.7342, 48.7255

Sweetspot

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



38.3994, 18.7352, 49.7366



73.6681, 59.8633, 93.6734



13.3000, 5.3800, 67.3558



15.2784, 11.9106, 19.6508



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.



38.3994, 18.7352, 49.7366



54.1665, 26.4306, 69.9999



30.6740, 15.6450, 9.0555



13.5336, 13.2426, 16.0714



22.7984, 11.1204, 29.6481



1.4986, 0.7291, 2.0347

Inverse Universe

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



38.3994, 18.7352, 49.7366



54.1665, 26.4306, 69.9999



29.9716, 52.5194, 32.8745



13.5336, 13.2426, 16.0714



22.7984, 11.1204, 29.6481



1.4986, 0.7291, 2.0347

Previews

White Background



This preview shows how the XYZ color 38.3987, 18.7342, 49.7363 looks on a white background.

Color Contrast Check

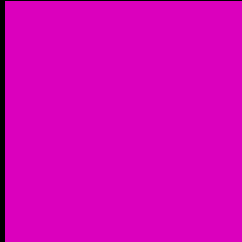
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3987, 18.7342, 49.7363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

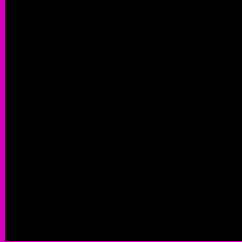
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3987, 18.7342, 49.7363

Background



This preview shows how black text looks on a background with the XYZ color 38.3987, 18.7342, 49.7363.



This preview shows how white text looks on a background with the XYZ color 38.3987, 18.7342,

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

38.3987, 18.7342, 49.7363

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.9188, 19.5017, 44.3093



Tritanopia

30.1546, 19.0174, 9.4785

Trichromacy



Original Color

38.3987, 18.7342, 49.7363



Protanomaly

19.6222, 12.1491, 73.9839



Deuteranomaly

22.3221, 14.4836, 45.3352



Tritanomaly

31.7869, 17.5111, 19.1574

Monochromacy



Original Color

38.3987, 18.7342, 49.7363



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9960, 9.3385, 20.0809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3987, 18.7342, 49.7363 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(219, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 189)  
}
```

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(219, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 38.3987, 18.7342, 49.7363 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(219, 0, 189) }
```


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

```
.border{ border-color:rgb(219, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3987, 18.7342, 49.7363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 189) }
```

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

```
.background{ background-color: rgb(219, 0,  
189) }
```

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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