

Converting Colors

XYZ(37.2886, 18.4063, 38.6428)

Have a look what the booklet for
XYZ(37.2886, 18.4063, 38.6428)
contains.

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Color

**XYZ(37.1921, 18.3567,
38.6288)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00A8
RGB	222, 0, 168
RGB Percent	87%, 0%, 66%
CMY	0.1294, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.24, 0.13
HSL	315°, 100%, 44%
HSV	315°, 100%, 87%
XYZ	37.1921, 18.3567, 38.6288
YIQ	85.5300, 78.3840, 99.3120

Conversions

Conversions Part 2

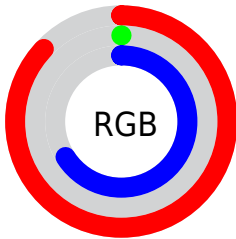
Format	Color
R_{YB}	222, 0, 168
Decimal	14549160
CIE _{Lab}	49.93, 81.55, -27.92
CIE _{LCh}	50, 86.196, 341.101
Yxy	18.3567, 0.3949, 0.1949
Android (android.graphics.Color)	4292739240 (0xFFDE00A8)
YUV	85.5300, 40.6577, 119.6842
Hunter-Lab	42.8447, 79.9718, -23.4646

Details

The XYZ color **37.1921, 18.3567, 38.6288** 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 **26.7887, 52.5098, 12.2183**, and the grayscale version is **8.6561, 9.1068, 9.9174**.

A 20% lighter version of the original color is **58.6515, 34.7721, 73.4325**, and **18.0527, 8.9423, 17.2976** is the 20% darker color. If you saturate the color by 10%, you get **37.1914, 18.3565, 38.6244**, and if you desaturate by 10%, it is **37.9976, 19.1454, 41.4318**.

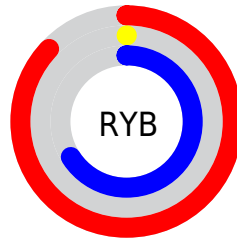
Distribution



Red (87%)

Green (0%)

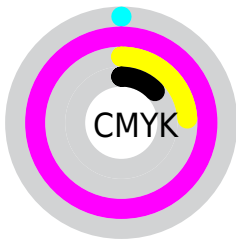
Blue (66%)



Red (87%)

Yellow (0%)

Blue (66%)

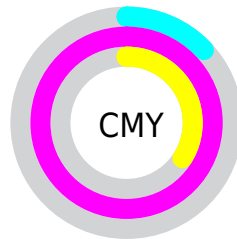


Cyan (0%)

Magenta (100%)

Yellow (24%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1921, 18.3567, 38.6288 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 37.1921, 18.3567, 38.6288 by changing the saturation by 10% instead.

 37.1921, 18.3567,
38.6288


 37.1921, 18.3567,
38.6288


325.4826,
242.8740, 355.6884

 25.5306, 11.2064,
26.1655


 70.1801, 40.6442,
74.2850


 16.6037, 6.2058,
16.7206


 92.2372, 56.5502,
98.3149

 10.0459, 2.9706,
9.8756


 118.4904, 76.1435,
127.0375

 5.4919, 1.1164,
5.2121

 149.3048, 99.8085,
160.8712

 2.5763, 0.0000,
2.3113

 185.0459,
127.9297, 200.2346

 0.9339, 0.0000,
0.7375

 226.0789,

 0.0000, 0.0000,

160.8914, 245.5463

0.0000

272.7694,
199.0780, 297.2247

■ 37.1921, 18.3567,
38.6288

■ 37.1921, 18.3567,
38.6288

■ 37.1914, 18.3565,
38.6244

■ 37.9976, 19.1454,
41.4318

■ 39.1582, 20.6106,
44.4575

■ 40.7832, 22.9704,
47.7434

■ 42.9344, 26.3480,
51.3115

■ 45.6639, 30.8474,
55.1802

■ 49.0175, 36.5593,
59.3659

■ 53.0360, 43.5656,
63.8834

■ 57.7570, 51.9405,
68.7462

■ 63.2149, 61.7531,
73.9670

Harmonies

Analogous

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



30.1048, 18.3567, 77.5620



37.1921, 18.3567, 38.6288



38.1253, 18.3567, 12.4482

Triad

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



37.1921, 18.3567, 38.6288



14.5655, 18.3567, 0.1046



8.0096, 18.3567, 67.2584

Complementary

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



37.1921, 18.3567, 38.6288



26.7887, 52.5098, 12.2183

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.



6.0448, 18.3567, 30.0833



37.1921, 18.3567, 38.6288



8.9529, 18.3567, 1.5732

Square

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



37.1921, 18.3567, 38.6288



23.1118, 18.3567, 0.3167



6.3246, 18.3567, 8.5808



12.7937, 18.3567, 101.2538

Rectangle

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



37.1921, 18.3567, 38.6288



34.8792, 18.3567, 4.4984



6.3246, 18.3567, 8.5808



7.0779, 18.3567, 53.8780

Sweetspot

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



37.1927, 18.3577, 38.6291



72.4569, 59.3789, 87.2956



14.5927, 6.0003, 69.4967



14.9861, 11.7937, 18.1114



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.



37.1927, 18.3577, 38.6291



50.8614, 25.1086, 52.5957



30.9201, 15.8487, 5.5982



14.1450, 13.8756, 16.5338



22.1368, 10.9217, 23.1838



1.5689, 0.7708, 1.7887

Inverse Universe

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



37.1927, 18.3577, 38.6291



50.8614, 25.1086, 52.5957



32.7158, 54.8807, 43.4302



14.1450, 13.8756, 16.5338



22.1368, 10.9217, 23.1838



1.5689, 0.7708, 1.7887

Previews

White Background



This preview shows how the XYZ color 37.1921, 18.3567, 38.6288 looks on a white background.

Color Contrast Check

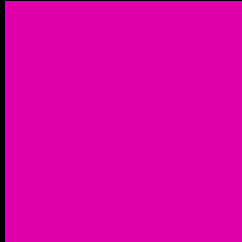
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1921, 18.3567, 38.6288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

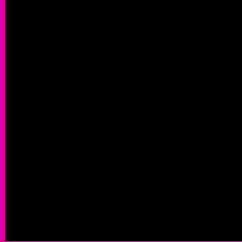
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1921, 18.3567, 38.6288

Background



This preview shows how black text looks on a background with the XYZ color 37.1921, 18.3567, 38.6288.



This preview shows how white text looks on a background with the XYZ color 37.1921, 18.3567,

38.6288.

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

37.1921, 18.3567, 38.6288

Protanopia

22.8961, 19.4468, 84.2082

Deuteranopia

19.2463, 18.8359, 34.5196



Tritanopia

30.7853, 18.6348, 7.7687

Trichromacy



Original Color

37.1921, 18.3567, 38.6288



Protanomaly

20.5224, 12.8275, 64.3451



Deuteranomaly

21.8980, 14.2808, 35.3205



Tritanomaly

32.0448, 17.4482, 15.3146

Monochromacy



Original Color

37.1921, 18.3567, 38.6288



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.5102, 9.1442, 17.5232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1921, 18.3567, 38.6288 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(222, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 168)  
}
```

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(222, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 37.1921, 18.3567, 38.6288 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(222, 0, 168) }
```


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

```
.border{ border-color:rgb(222, 0, 168) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1921, 18.3567, 38.6288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 168) }
```

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

```
.background{ background-color: rgb(222, 0,  
168) }
```

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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