

Converting Colors

XYZ(37.9607, 18.5694, 46.9583)

Have a look what the booklet for
XYZ(37.9607, 18.5694, 46.9583)
contains.

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Color

**XYZ(37.8651, 18.5208,
46.9265)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DB00B8 |
| RGB | 219, 0, 184 |
| RGB Percent | 86%, 0%, 72% |
| CMY | 0.1412, 0.9998, 0.2784 |
| CMYK | 0.00, 1.00, 0.16, 0.14 |
| HSL | 310°, 100%, 43% |
| HSV | 310°, 100%, 86% |
| XYZ | 37.8651, 18.5208, 46.9265 |
| YIQ | 86.4570, 71.4600, 103.6520 |

Conversions

Conversions Part 2

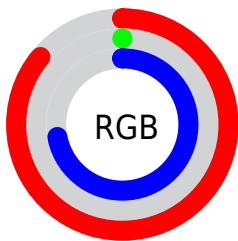
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 219, 0, 184 |
| Decimal | 14352568 |
| CIE _{Lab} | 50.12, 82.90, -37.07 |
| CIE _{LCh} | 50, 90.809, 335.908 |
| Yxy | 18.5208, 0.3665, 0.1793 |
| Android (android.graphics.Color) | 4292542648 (0xFFDB00B8) |
| YUV | 86.4570, 48.0887, 116.2402 |
| Hunter-Lab | 43.0358, 81.7408, -34.5251 |

Details

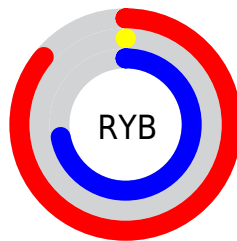
The XYZ color **37.8651, 18.5208, 46.9265** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **25.6362, 50.7851, 10.0447**, and the grayscale version is **8.8378, 9.2981, 10.1256**.

A 20% lighter version of the original color is **61.0604, 35.7357, 86.1175**, and **18.3273, 8.9826, 21.8870** is the 20% darker color. If you saturate the color by 10%, you get **37.8646, 18.5206, 46.9230**, and if you desaturate by 10%, it is **38.5227, 19.2411, 48.9789**.

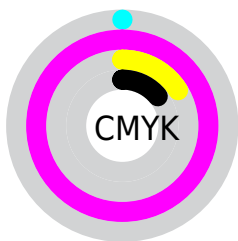
Distribution



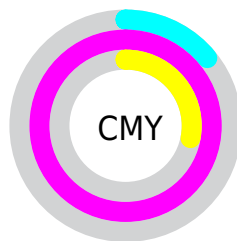
- Red (86%)
- Green (0%)
- Blue (72%)



- Red (86%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8651, 18.5208, 46.9265 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 37.8651, 18.5208, 46.9265 by changing the saturation by 10% instead.

 37.8651, 18.5208,
46.9265


 37.8651, 18.5208,
46.9265


328.3318,
243.7904, 390.9063

 26.0547, 11.3245,
32.6236


 71.2066, 40.9228,
86.9527


 16.9975, 6.2856,
21.5695


 93.4684, 56.8973,
113.5132

 10.3280, 3.0195,
13.3457


 119.9447, 76.5667,
144.9965

 5.6809, 1.1419,
7.5335

 151.0009,
100.3153, 181.8214

 2.6908, 0.0135,
3.7144

 187.0024,
128.5276, 224.4063

 0.9925, 0.0000,
1.4700

 228.3145,

 0.0000, 0.0000,

161.5879, 273.1697

0.1955

275.3025,
199.8807, 328.5302

■ 0.0000, 0.0000,
0.0000

■ 37.8651, 18.5208,
46.9265

■ 37.8651, 18.5208,
46.9265

■ 37.8646, 18.5206,
46.9230

■ 38.5227, 19.2411,
48.9789

■ 39.5125, 20.6114,
51.1870

■ 40.9409, 22.8441,
53.5868

■ 42.8674, 26.0583,
56.1983

■ 45.3422, 30.3542,
59.0387

■ 48.4093, 35.8198,
62.1228

■ 52.1083, 42.5338,
65.4643

■ 56.4751, 50.5682,
69.0753

■ 61.5431, 59.9897,
72.9672

Harmonies

Analogous

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



29.4308, 18.5208, 89.7951



37.8651, 18.5208, 46.9265



40.2052, 18.5208, 15.6014

Triad

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



37.8651, 18.5208, 46.9265



15.9277, 18.5208, 0.0000



7.1894, 18.5208, 63.6874

Complementary

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



37.8651, 18.5208, 46.9265



25.6362, 50.7851, 10.0447

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.



5.6105, 18.5208, 25.5439



37.8651, 18.5208, 46.9265



9.4643, 18.5208, 0.8995

Square

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



37.8651, 18.5208, 46.9265



25.4041, 18.5208, 0.2460



6.2775, 18.5208, 6.1978



11.5895, 18.5208, 103.9002

Rectangle

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



37.8651, 18.5208, 46.9265



37.4908, 18.5208, 5.5886



6.2775, 18.5208, 6.1978



6.3915, 18.5208, 49.3992

Sweetspot

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



37.8658, 18.5218, 46.9268



73.4032, 59.7574, 92.2788



13.4102, 5.4369, 67.3608



15.2143, 11.8850, 19.3133



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.



37.8658, 18.5218, 46.9268



53.4081, 26.1272, 66.0064



30.5422, 15.5923, 8.3615



13.5203, 13.2372, 16.0011



22.4858, 10.9954, 28.0019



1.4812, 0.7221, 1.9430

Inverse Universe

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



37.8658, 18.5218, 46.9268



53.4081, 26.1272, 66.0064



30.2421, 52.6275, 34.2993



13.5203, 13.2372, 16.0011



22.4858, 10.9954, 28.0019



1.4812, 0.7221, 1.9430

Previews

White Background



This preview shows how the XYZ color 37.8651, 18.5208, 46.9265 looks on a white background.

Color Contrast Check

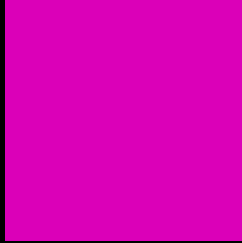
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8651, 18.5208, 46.9265 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 37.8651, 18.5208, 46.9265

Background



This preview shows how black text looks on a background with the XYZ color 37.8651, 18.5208, 46.9265.



This preview shows how white text looks on a background with the XYZ color 37.8651, 18.5208,

46.9265.

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

37.8651, 18.5208, 46.9265

Protanopia

23.3046, 19.4999, 91.3425

Deuteranopia

19.7388, 19.2749, 42.2152



Tritanopia

30.2353, 18.8722, 9.0703

Trichromacy



Original Color

37.8651, 18.5208, 46.9265



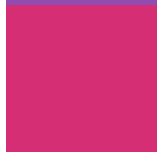
Protanomaly

19.3477, 12.0393, 72.5382



Deuteranomaly

22.1973, 14.3629, 43.1974



Tritanomaly

31.5700, 17.3611, 18.2101

Monochromacy



Original Color

37.8651, 18.5208, 46.9265



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 37.8651, 18.5208, 46.9265 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.8651, 18.5208, 46.9265 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, 184) }
```


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

```
.border{ border-color:rgb(219, 0, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8651, 18.5208, 46.9265 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, 184) }
```

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

```
.background{ background-color: rgb(219, 0,  
184) }
```

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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