

Converting Colors

XYZ(37.4611, 18.2815, 48.3085)

Have a look what the booklet for
XYZ(37.4611, 18.2815, 48.3085)
contains.

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Color

**XYZ(37.5849, 18.3396,
48.5727)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D900BB |
| RGB | 217, 0, 187 |
| RGB Percent | 85%, 0%, 73% |
| CMY | 0.1490, 0.9998, 0.2667 |
| CMYK | 0.00, 1.00, 0.14, 0.15 |
| HSL | 308°, 100%, 43% |
| HSV | 308°, 100%, 85% |
| XYZ | 37.5849, 18.3396, 48.5727 |
| YIQ | 86.2010, 69.3050, 104.1610 |

Conversions

Conversions Part 2

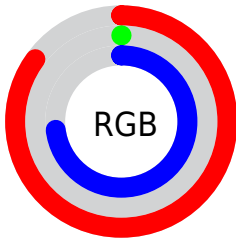
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 217, 0, 187 |
| Decimal | 14221499 |
| CIELab | 49.91, 82.92, -39.19 |
| CIELCh | 50, 91.715, 334.705 |
| Yxy | 18.3396, 0.3597, 0.1755 |
| Android (android.graphics.Color) | 4292411579 (0xFFD900BB) |
| YUV | 86.2010, 49.6939, 114.7107 |
| Hunter-Lab | 42.8248, 81.7162, -37.2706 |

Details

The XYZ color **37.5849, 18.3396, 48.5727** 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 **25.0484, 49.7202, 9.5077**, and the grayscale version is **8.7803, 9.2375, 10.0597**.

A 20% lighter version of the original color is **61.6613, 35.9761, 89.2821**, and **18.1383, 8.8616, 22.9448** is the 20% darker color. If you saturate the color by 10%, you get **37.5846, 18.3395, 48.5699**, and if you desaturate by 10%, it is **38.1918, 19.0335, 50.3766**.

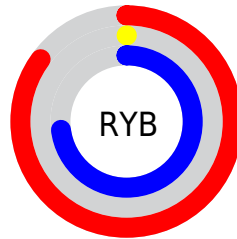
Distribution



Red (85%)

Green (0%)

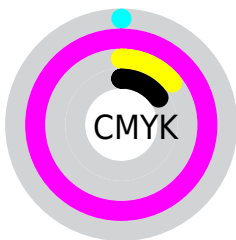
Blue (73%)



Red (85%)

Yellow (0%)

Blue (73%)

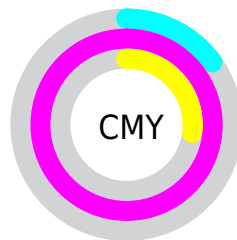


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5849, 18.3396, 48.5727 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 37.5849, 18.3396, 48.5727 by changing the saturation by 10% instead.


 37.5849, 18.3396,
48.5727


 37.5849, 18.3396,
48.5727

327.1477,
242.7783, 397.6317

 25.8364, 11.1941,
33.9174


 70.7795, 40.6151,
89.4309

 16.8333, 6.1975,
22.5533


 92.9563, 56.5140,
116.4709


 10.2103, 2.9656,
14.0618


 119.3399, 76.0993,
148.4762

 5.6020, 1.1138,
8.0245

 150.2957, 99.7557,
185.8654

 2.6429, 0.0000,
4.0226

 186.1890,
127.8673, 229.0570

 0.9679, 0.0000,
1.6378

 227.3852,

 0.0000, 0.0000,

160.8187, 278.4696

0.3175

274.2496,
198.9942, 334.5216

■ 0.0000, 0.0000,
0.0000

■ 37.5849, 18.3396,
48.5727

■ 37.5849, 18.3396,
48.5727

■ 37.5846, 18.3395,
48.5699

■ 38.1918, 19.0335,
50.3766

■ 39.1212, 20.3620,
52.3213

■ 40.4778, 22.5340,
54.4419

■ 42.3198, 25.6658,
56.7579

■ 44.6961, 29.8554,
59.2860

■ 47.6499, 35.1888,
62.0407

■ 51.2196, 41.7429,
65.0349

■ 55.4404, 49.5882,
68.2807

■ 60.3450, 58.7896,
71.7890

Harmonies

Analogous

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



28.9189, 18.3396, 91.9285



37.5849, 18.3396, 48.5727



40.2524, 18.3396, 16.2594

Triad

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



37.5849, 18.3396, 48.5727



16.0827, 18.3396, 0.0000



6.9096, 18.3396, 62.0870

Complementary

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



37.5849, 18.3396, 48.5727



25.0484, 49.7202, 9.5077

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.



5.4384, 18.3396, 24.2032



37.5849, 18.3396, 48.5727



9.4774, 18.3396, 0.7443

Square

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



37.5849, 18.3396, 48.5727



25.6860, 18.3396, 0.2183



6.1889, 18.3396, 5.6147



11.1668, 18.3396, 103.3468

Rectangle

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



37.5849, 18.3396, 48.5727



37.7077, 18.3396, 5.8106



6.1889, 18.3396, 5.6147



6.1522, 18.3396, 47.7611

Sweetspot

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



37.5856, 18.3405, 48.5730



73.6534, 59.8575, 93.5960



13.0307, 5.2714, 65.9768



15.2749, 11.9092, 19.6321



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.



37.5856, 18.3405, 48.5730



54.1239, 26.4135, 69.7755



30.0488, 15.3258, 8.8850



13.5329, 13.2423, 16.0675



22.7809, 11.1134, 29.5557



1.4977, 0.7287, 2.0296

Inverse Universe

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



37.5856, 18.3405, 48.5730



54.1239, 26.4135, 69.7755



29.3611, 51.4453, 32.2182



13.5329, 13.2423, 16.0675



22.7809, 11.1134, 29.5557



1.4977, 0.7287, 2.0296

Previews

White Background



This preview shows how the XYZ color 37.5849, 18.3396, 48.5727 looks on a white background.

Color Contrast Check

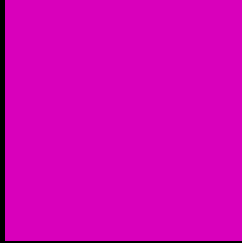
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5849, 18.3396, 48.5727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

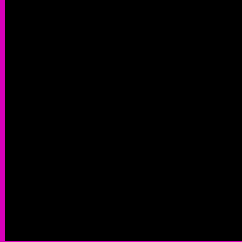
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5849, 18.3396, 48.5727

Background



This preview shows how black text looks on a background with the XYZ color 37.5849, 18.3396, 48.5727.



This preview shows how white text looks on a background with the XYZ color 37.5849, 18.3396,

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

37.5849, 18.3396, 48.5727

Protanopia

23.0339, 19.2062, 90.4888

Deuteranopia

19.4913, 19.1248, 43.2216



Tritanopia

29.5561, 18.7130, 9.2619

Trichromacy



Original Color

37.5849, 18.3396, 48.5727



Protanomaly

19.2638, 11.9961, 72.5343



Deuteranomaly

21.7056, 14.0863, 44.2227



Tritanomaly

31.1505, 17.1899, 18.8157

Monochromacy



Original Color

37.5849, 18.3396, 48.5727



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7729, 9.2308, 19.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5849, 18.3396, 48.5727 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 187) }
```

Border

The CSS property to change the border of an element to XYZ 37.5849, 18.3396, 48.5727 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, 187) }
```


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

```
.border{ border-color:rgb(217, 0, 187) }
```

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, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5849, 18.3396, 48.5727 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, 187) }
```

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

```
.background{ background-color: rgb(217, 0,  
187) }
```

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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