

Converting Colors

XYZ(37.9196, 18.7427, 47.1512)

Have a look what the booklet for
XYZ(37.9196, 18.7427, 47.1512)
contains.

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Color

**XYZ(37.9966, 18.7837,
46.9704)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0CB8
RGB	219, 12, 184
RGB Percent	86%, 5%, 72%
CMY	0.1412, 0.9528, 0.2784
CMYK	0.00, 0.95, 0.16, 0.14
HSL	310°, 90%, 45%
HSV	310°, 95%, 86%
XYZ	37.9966, 18.7837, 46.9704
YIQ	93.5010, 68.1600, 97.3760

Conversions

Conversions Part 2

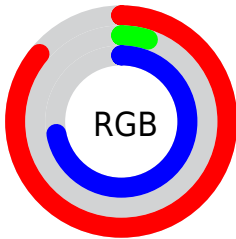
Format	Color
R_{YB}	219, 12, 184
Decimal	14355640
CIE _{Lab}	50.43, 81.98, -36.58
CIE _{LCh}	50, 89.772, 335.954
Yxy	18.7837, 0.3662, 0.1810
Android (android.graphics.Color)	4292545720 (0xFFDB0CB8)
YUV	93.5010, 44.6160, 110.0626
Hunter-Lab	43.3402, 80.6468, -33.9181

Details

The XYZ color **37.9966, 18.7837, 46.9704** 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 **25.9976, 50.9473, 11.1566**, and the grayscale version is **10.4138, 10.9562, 11.9313**.

A 20% lighter version of the original color is **61.2429, 36.1007, 86.1783**, and **18.3273, 8.9826, 21.8870** is the 20% darker color. If you saturate the color by 10%, you get **37.6535, 18.4361, 45.8111**, and if you desaturate by 10%, it is **38.8290, 19.8186, 49.1886**.

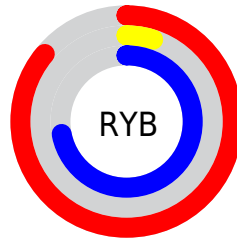
Distribution



Red (86%)

Green (5%)

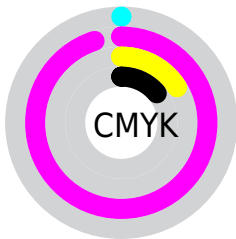
Blue (72%)



Red (86%)

Yellow (5%)

Blue (72%)

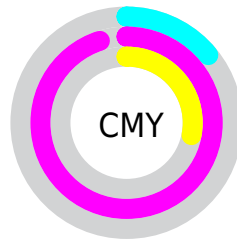


Cyan (0%)

Magenta (95%)

Yellow (16%)

Black (14%)



Cyan (14%)


Magenta (95%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9966, 18.7837, 46.9704 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 37.9966, 18.7837, 46.9704 by changing the saturation by 10% instead.


 37.9966, 18.7837,
46.9704

 37.9966, 18.7837,
46.9704


328.8865,
245.2521, 391.0867


 26.1573, 11.5141,
32.6581


 71.4069, 41.3683,
87.0190


 17.0746, 6.4137,
21.5957


 93.7085, 57.4520,
113.5923

 10.3833, 3.0983,
13.3646


 120.2282, 77.2426,
145.0897

 5.7181, 1.1832,
7.5464

 151.3315,
101.1245, 181.9297

 2.7134, 0.0480,
3.7225

 187.3836,
129.4819, 224.5308

 1.0041, 0.0000,
1.4744

 228.7499,

 0.0000, 0.0000,

162.6994, 273.3117

0.1987

275.7957,
201.1613, 328.6908

■ 0.0000, 0.0000,
0.0000

■ 37.9966, 18.7837,
46.9704

■ 37.9966, 18.7837,
46.9704

■ 37.6535, 18.4361,
45.8111

■ 38.8290, 19.8186,
49.1886

■ 40.0687, 21.6521,
51.5931

■ 41.7821, 24.4165,
54.2063

■ 44.0231, 28.2196,
57.0467

■ 46.8383, 33.1542,
60.1300

■ 50.2691, 39.3030,
63.4706

■ 54.3528, 46.7409,
67.0811

■ 59.1241, 55.5368,
70.9735

■ 64.6150, 65.7546,
75.1588

Harmonies

Analogous

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



29.6383, 18.7837, 89.2995



37.9966, 18.7837, 46.9704



40.3027, 18.7837, 15.8582

Triad

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



37.9966, 18.7837, 46.9704



16.1675, 18.7837, 0.0000



7.4187, 18.7837, 63.6734

Complementary

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



37.9966, 18.7837, 46.9704



25.9976, 50.9473, 11.1566

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.



5.8189, 18.7837, 25.8575



37.9966, 18.7837, 46.9704



9.6979, 18.7837, 0.9991

Square

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



37.9966, 18.7837, 46.9704



25.6064, 18.7837, 0.3476



6.4904, 18.7837, 6.4492



11.8483, 18.7837, 103.3000

Rectangle

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



37.9966, 18.7837, 46.9704



37.6068, 18.7837, 5.7997



6.4904, 18.7837, 6.4492



6.6115, 18.7837, 49.5434

Sweetspot

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



37.9973, 18.7847, 46.9707



74.4639, 61.8416, 92.7470



14.0689, 5.9715, 67.4294



15.4095, 12.2746, 19.3802



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.



37.9973, 18.7847, 46.9707



53.1081, 26.0072, 64.4266



30.8316, 15.9184, 9.2367



13.5149, 13.2351, 15.9727



22.3620, 10.9459, 27.3502



1.4743, 0.7194, 1.9065

Inverse Universe

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



37.9973, 18.7847, 46.9707



53.1081, 26.0072, 64.4266



30.9898, 52.9442, 37.4451



13.5149, 13.2351, 15.9727



22.3620, 10.9459, 27.3502



1.4743, 0.7194, 1.9065

Previews

White Background



This preview shows how the XYZ color 37.9966, 18.7837, 46.9704 looks on a white background.

Color Contrast Check

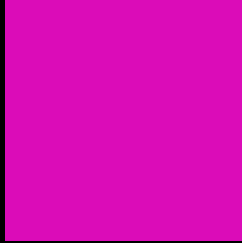
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.9966, 18.7837, 46.9704 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 37.9966, 18.7837, 46.9704

Background



This preview shows how black text looks on a background with the XYZ color 37.9966, 18.7837, 46.9704.



This preview shows how white text looks on a background with the XYZ color 37.9966, 18.7837,

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

37.9966, 18.7837, 46.9704

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.7388, 19.2749, 42.2152



Tritanopia

30.3004, 19.0025, 9.0920

Trichromacy



Original Color

37.9966, 18.7837, 46.9704



Protanomaly

19.6949, 12.7337, 72.6540



Deuteranomaly

22.5553, 15.0789, 43.3167



Tritanomaly

31.7768, 17.7747, 18.2790

Monochromacy



Original Color

37.9966, 18.7837, 46.9704



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

16.3116, 10.6881, 21.2820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9966, 18.7837, 46.9704 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, 12, 184)` looks like.

```
.text, #text, p{  
    color:rgb(219, 12, 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, 12, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 12, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.9966, 18.7837, 46.9704 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, 12, 184) }
```


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

```
.border{ border-color:rgb(219, 12, 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, 12, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 12, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 12, 184);  
box-shadow:4px 4px 4px 4px rgb(219, 12,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9966, 18.7837, 46.9704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 12, 184) }
```

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

```
.background{ background-color: rgb(219, 12,  
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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