

Converting Colors

XYZ(37.7449, 18.8380, 36.7121)

Have a look what the booklet for
XYZ(37.7449, 18.8380, 36.7121)
contains.

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Color

**XYZ(37.8607, 18.9050,
36.7755)**

Conversions

Conversions Part 1

Format	Color
Hex	E10AA4
RGB	225, 10, 164
RGB Percent	88%, 4%, 64%
CMY	0.1176, 0.9606, 0.3569
CMYK	0.00, 0.96, 0.27, 0.12
HSL	317°, 91%, 46%
HSV	317°, 96%, 88%
XYZ	37.8607, 18.9050, 36.7755
YIQ	91.8410, 78.7060, 93.4740

Conversions

Conversions Part 2

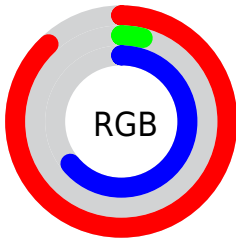
Format	Color
R_{YB}	225, 10, 164
Decimal	14748324
CIE _{Lab}	50.58, 80.93, -24.50
CIE _{LCh}	51, 84.553, 343.159
Yxy	18.9050, 0.4047, 0.2021
Android (android.graphics.Color)	4292938404 (0xFFE10AA4)
YUV	91.8410, 35.5744, 116.7804
Hunter-Lab	43.4799, 79.3415, -19.7119

Details

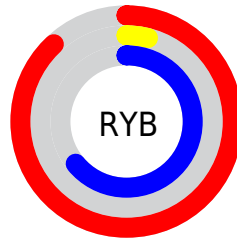
The XYZ color **37.8607, 18.9050, 36.7755** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.1899, 54.3709, 14.9780**, and the grayscale version is **10.0504, 10.5738, 11.5149**.

A 20% lighter version of the original color is **58.3009, 34.9239, 70.6860**, and **18.2345, 9.0624, 16.1174** is the 20% darker color. If you saturate the color by 10%, you get **37.4976, 18.5861, 35.3984**, and if you desaturate by 10%, it is **38.8750, 19.9872, 40.0306**.

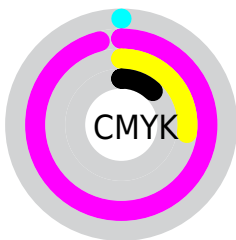
Distribution



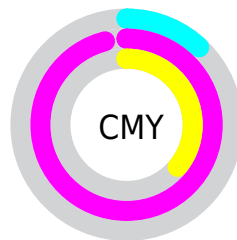
- Red (88%)
- Green (4%)
- Blue (64%)



- Red (88%)
- Yellow (4%)
- Blue (64%)



- Cyan (0%)
- Magenta (96%)
- Yellow (27%)
- Black (12%)





- Cyan (12%)
- Magenta (96%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8607, 18.9050, 36.7755 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 37.8607, 18.9050, 36.7755 by changing the saturation by 10% instead.

 37.8607, 18.9050,
36.7755


 37.8607, 18.9050,
36.7755


328.3132,
245.9238, 347.4769


 26.0513, 11.6017,
24.7393


 71.1999, 41.5735,
71.4098


 16.9949, 6.4731,
15.6657


 93.4603, 57.7075,
94.8450


 10.3261, 3.1348,
9.1361


 119.9352, 77.5537,
122.9170

 5.6797, 1.2025,
4.7320

 150.9899,
101.4967, 156.0442

 2.6901, 0.0638,
2.0349

 186.9896,
129.9208, 194.6453

 0.9921, 0.0000,
0.5766

 228.2999,

 0.0000, 0.0000,

163.2105, 239.1388

0.0000

275.2860,
201.7500, 289.9431

■ 37.8607, 18.9050,
36.7755

■ 37.8607, 18.9050,
36.7755

■ 37.4976, 18.5861,
35.3984

■ 38.8750, 19.9872,
40.0306

■ 40.3328, 21.9096,
43.5783

■ 42.3072, 24.8176,
47.4451

■ 44.8572, 28.8286,
51.6527

■ 48.0336, 34.0435,
56.2197

■ 51.8815, 40.5518,
61.1631

■ 56.4415, 48.4343,
66.4984

■ 61.7512, 57.7653,
72.2398

■ 67.8452, 68.6139,
78.4007

Harmonies

Analogous

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



31.1699, 18.9050, 74.7890



37.8607, 18.9050, 36.7755



38.2965, 18.9050, 11.8682

Triad

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



37.8607, 18.9050, 36.7755



14.5899, 18.9050, 0.3403



8.6944, 18.9050, 70.0103

Complementary

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



37.8607, 18.9050, 36.7755



28.1899, 54.3709, 14.9780

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.



6.5155, 18.9050, 32.7736



37.8607, 18.9050, 36.7755



9.1467, 18.9050, 2.0387

Square

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



37.8607, 18.9050, 36.7755



22.9742, 18.9050, 0.4386



6.6508, 18.9050, 10.0181



13.7487, 18.9050, 102.0300

Rectangle

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



37.8607, 18.9050, 36.7755



34.8148, 18.9050, 4.3820



6.6508, 18.9050, 10.0181



7.6821, 18.9050, 56.8354

Sweetspot

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



37.8613, 18.9060, 36.7758



72.6274, 60.2694, 85.6580



16.2946, 6.9921, 71.7251



14.9959, 11.9520, 17.6869



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.



37.8613, 18.9060, 36.7758



49.7494, 24.6637, 46.7396



31.8895, 16.5173, 5.3288



14.1205, 13.8658, 16.4046



21.6603, 10.7311, 20.6746



1.5392, 0.7590, 1.6323

Inverse Universe

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



37.8613, 18.9060, 36.7758



49.7494, 24.6637, 46.7396



35.1299, 57.1469, 51.5235



14.1205, 13.8658, 16.4046



21.6603, 10.7311, 20.6746



1.5392, 0.7590, 1.6323

Previews

White Background



This preview shows how the XYZ color 37.8607, 18.9050, 36.7755 looks on a white background.

Color Contrast Check

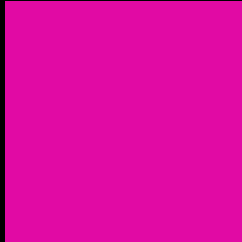
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.8607, 18.9050, 36.7755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

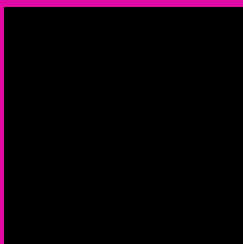
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8607, 18.9050, 36.7755

Background



This preview shows how black text looks on a background with the XYZ color 37.8607, 18.9050, 36.7755.



This preview shows how white text looks on a background with the XYZ color 37.8607, 18.9050,

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

37.8607, 18.9050, 36.7755

Protanopia

22.8738, 19.7099, 79.6896

Deuteranopia

19.6827, 19.2755, 32.8201



Tritanopia

31.8471, 19.1034, 7.4776

Trichromacy



Original Color

37.8607, 18.9050, 36.7755



Protanomaly

21.6524, 13.9976, 61.2351



Deuteranomaly

22.5921, 15.0942, 33.6210



Tritanomaly

33.2054, 18.2282, 14.6002

Monochromacy



Original Color

37.8607, 18.9050, 36.7755



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

15.8079, 10.3287, 18.3000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8607, 18.9050, 36.7755 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(225, 10, 164)` looks like.

```
.text, #text, p{  
    color:rgb(225, 10, 164)  
}
```

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(225, 10, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 10, 164) }
```

Border

The CSS property to change the border of an element to XYZ 37.8607, 18.9050, 36.7755 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(225, 10, 164) }
```


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

```
.border{ border-color:rgb(225, 10, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 10, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 10, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 10, 164);  
box-shadow:4px 4px 4px 4px rgb(225, 10,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8607, 18.9050, 36.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 10, 164) }
```

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

```
.background{ background-color: rgb(225, 10,  
164) }
```

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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