

Converting Colors

XYZ(37.2148, 18.9262, 13.4304)

Have a look what the booklet for
XYZ(37.2148, 18.9262, 13.4304)
contains.

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Color

**XYZ(37.1772, 18.9054,
13.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0063
RGB	237, 0, 99
RGB Percent	93%, 0%, 39%
CMY	0.0706, 0.9998, 0.6118
CMYK	0.00, 1.00, 0.58, 0.07
HSL	335°, 100%, 46%
HSV	335°, 100%, 93%
XYZ	37.1772, 18.9054, 13.4940
YIQ	82.1490, 109.4730, 81.0330

Conversions

Conversions Part 2

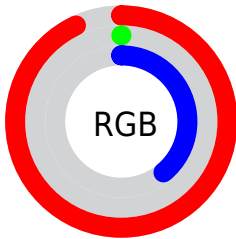
Format	Color
R_{YB}	237, 0, 99
Decimal	15532131
CIE Lab	50.58, 78.70, 15.07
CIE LCh	51, 80.128, 10.842
Yxy	18.9054, 0.5343, 0.2717
Android (android.graphics.Color)	4293722211 (0xFFED0063)
YUV	82.1490, 8.3075, 135.8043
Hunter-Lab	43.4803, 76.5331, 12.0358

Details

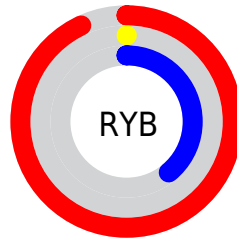
The XYZ color **37.1772, 18.9054, 13.4940** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **34.8764, 62.4051, 34.2738**, and the grayscale version is **8.0248, 8.4427, 9.1941**.

A 20% lighter version of the original color is **50.7570, 31.6143, 31.8608**, and **17.8762, 9.1413, 4.1904** is the 20% darker color. If you saturate the color by 10%, you get **37.1754, 18.9047, 13.4856**, and if you desaturate by 10%, it is **38.2161, 19.8356, 17.3793**.

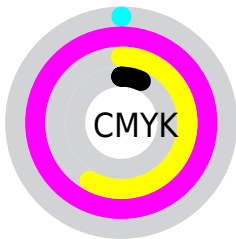
Distribution



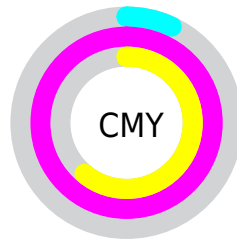
- Red (93%)
- Green (0%)
- Blue (39%)



- Red (93%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1772, 18.9054, 13.4940 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 37.1772, 18.9054, 13.4940 by changing the saturation by 10% instead.


 37.1772, 18.9054,
13.4940


 37.1772, 18.9054,
13.4940


325.4193,
245.9260, 225.3777


 25.5190, 11.6019,
7.6349


 70.1573, 41.5742,
32.8926


 16.5950, 6.4732,
3.7778


 92.2099, 57.7083,
47.2691


 10.0396, 3.1349,
1.5043


 118.4581, 77.5548,
65.3218

 5.4877, 1.2026,
0.2211

 149.2671,
101.4980, 87.4693

 2.5738, 0.0638,
0.0000

 185.0024,
129.9223, 114.1301

 0.9326, 0.0000,
0.0000

 226.0293,

 0.0000, 0.0000,

163.2122, 145.7228

0.0000

272.7131,
201.7519, 182.6658

■ 37.1772, 18.9054,
13.4940

■ 37.1772, 18.9054,
13.4940

■ 37.1754, 18.9047,
13.4856

■ 38.2161, 19.8356,
17.3793

■ 39.7650, 21.5964,
22.0172

■ 41.9521, 24.4366,
27.4754

■ 44.8548, 28.5035,
33.8027

■ 48.5387, 33.9209,
41.0431

■ 53.0612, 40.7972,
49.2366

■ 58.4744, 49.2299,
58.4205

■ 64.8258, 59.3078,
68.6298

■ 72.1595, 71.1132,
79.8977

Harmonies

Analogous

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



36.2675, 18.9054, 38.2197



37.1772, 18.9054, 13.4940



31.9308, 18.9054, 3.3045

Triad

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



37.1772, 18.9054, 13.4940



9.8134, 18.9054, 2.1633



13.4682, 18.9054, 94.0586

Complementary

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



37.1772, 18.9054, 13.4940



34.8764, 62.4051, 34.2738

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.



8.8179, 18.9054, 63.6051



37.1772, 18.9054, 13.4940



7.1711, 18.9054, 9.4313

Square

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



37.1772, 18.9054, 13.4940



15.2837, 18.9054, 0.5945



6.8692, 18.9054, 29.8051



20.9517, 18.9054, 98.5841

Rectangle

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



37.1772, 18.9054, 13.4940



26.3455, 18.9054, 1.2248



6.8692, 18.9054, 29.8051



11.5878, 18.9054, 85.8423

Sweetspot

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



37.1777, 18.9066, 13.4943



68.9484, 57.9755, 68.8202



25.1700, 11.2107, 80.9577



14.1518, 11.4600, 13.7182



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.



37.1777, 18.9066, 13.4943



43.8667, 22.3107, 15.7621



35.1084, 18.3708, 1.6972



15.3264, 15.1584, 17.0039



20.3585, 10.3461, 7.6893



1.6456, 0.8312, 0.8512

Inverse Universe

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



37.1777, 18.9066, 13.4943



43.8667, 22.3107, 15.7621



41.1969, 57.9352, 89.1317



15.3264, 15.1584, 17.0039



20.3585, 10.3461, 7.6893



1.6456, 0.8312, 0.8512

Previews

White Background



This preview shows how the XYZ color 37.1772, 18.9054, 13.4940 looks on a white background.

Color Contrast Check

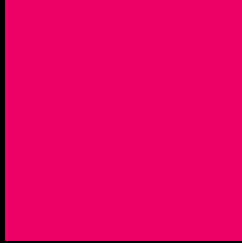
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1772, 18.9054, 13.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

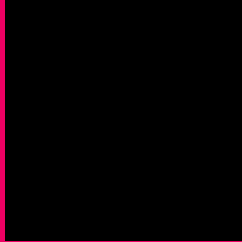
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1772, 18.9054, 13.4940

Background



This preview shows how black text looks on a background with the XYZ color 37.1772, 18.9054, 13.4940.

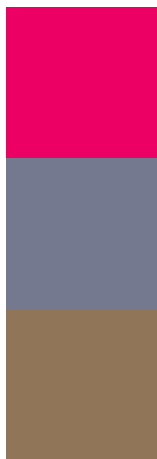


This preview shows how white text looks on a background with the XYZ color 37.1772, 18.9054,

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

37.1772, 18.9054, 13.4940

Protanopia

19.2075, 19.4703, 29.1313

Deuteranopia

19.8415, 19.4636, 12.1623



Tritanopia

35.3696, 19.3197, 3.6986

Trichromacy



Original Color

37.1772, 18.9054, 13.4940



Protanomaly

21.2481, 14.4433, 22.0900



Deuteranomaly

22.7847, 15.1528, 12.0798



Tritanomaly

35.7553, 18.8544, 6.0297

Monochromacy



Original Color

37.1772, 18.9054, 13.4940



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.4707, 8.5638, 10.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1772, 18.9054, 13.4940 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(237, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 99)  
}
```

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(237, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 37.1772, 18.9054, 13.4940 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(237, 0, 99) }
```


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

```
.border{ border-color:rgb(237, 0, 99) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.1772, 18.9054, 13.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 99) }
```

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

```
.background{ background-color: rgb(237, 0,  
99) }
```

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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