Converting Colors

XYZ(37.1849, 18.9094, 13.4918)

Have a look what the booklet for XYZ(37.1849, 18.9094, 13.4918) 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

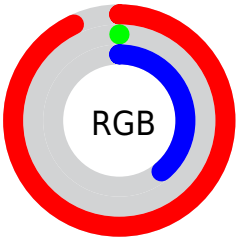
Format	Color
RYB	237, 0, 99
Decimal	15532131
CIELab	50.58, 78.70, 15.07
CIELCh	51, 80.128, 10.842
Yxy	18.9054, 0.5343, 0.2717
Android (android.graphics.Color)	4293722211 (0xFFED0063)
YUV	82.1490, 8.3075, 135.8043
Hunter-Lab	43.4803, 76.5331, 12.0358

Details

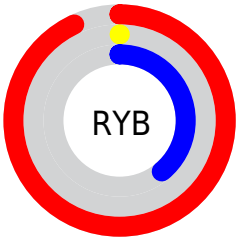
The XYZ color 37.1772, 18.9054, 13.4940 is a dark color, and the websafe version is hex FF0066. The color can be described as dark washed rose. A complement of this color would be 34.8764, 62.4051, 34.2738, and the grayscale version is 8.0248, 8.4427, 9.1941.

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.

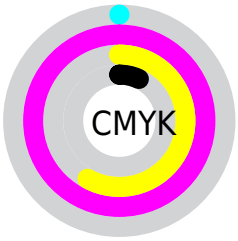
Distribution



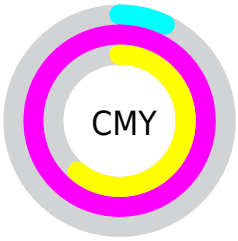
- Red (93%)
- Green (0%)
- Blue (39%)



- 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

325.4193, 245.9260, 225.3777

70.1573, 41.5742, 32.8926

92.2099, 57.7083, 47.2691

118.4581, 77.5548, 65.3218

149.2671, 101.4980, 87.4693

185.0024, 129.9223, 114.1301

226.0293,

37.1772, 18.9054, 13.4940

25.5190, 11.6019, 7.6349

16.5950, 6.4732, 3.7778

10.0396, 3.1349, 1.5043

5.4877, 1.2026, 0.2211

2.5738, 0.0638, 0.0000

0.9326, 0.0000, 0.0000

0.0000, 0.0000,

163.2122, 145.7228

0.0000

272.7131, 201.7519, 182.6658

37.1772, 18.9054, 13.4940

37.1754, 18.9047, 13.4856

37.1772, 18.9054, 13.4940

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

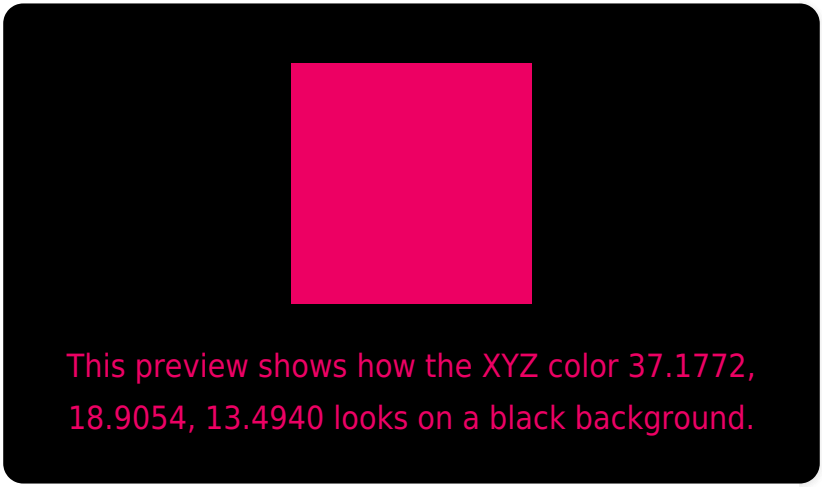
White Background

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



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,

13.4940.

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.

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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