

Converting Colors

XYZ(36.9561, 18.9219, 7.5891)

Have a look what the booklet for
XYZ(36.9561, 18.9219, 7.5891)
contains.

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Color

**XYZ(37.0725, 18.9802,
7.6708)**

Conversions

Conversions Part 1

Format	Color
Hex	F00047
RGB	240, 0, 71
RGB Percent	94%, 0%, 28%
CMY	0.0588, 0.9998, 0.7216
CMYK	0.00, 1.00, 0.70, 0.06
HSL	342°, 100%, 47%
HSV	342°, 100%, 94%
XYZ	37.0725, 18.9802, 7.6708
YIQ	79.8540, 120.2490, 72.9610

Conversions

Conversions Part 2

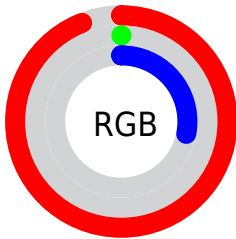
Format	Color
R _Y B	240, 0, 71
Decimal	15728711
CIE Lab	50.66, 77.98, 32.34
CIE LCh	51, 84.415, 22.523
Yxy	18.9802, 0.5818, 0.2979
Android (android.graphics.Color)	4293918791 (0xFFFF0047)
YUV	79.8540, -4.3650, 140.4480
Hunter-Lab	43.5663, 75.6527, 20.0571

Details

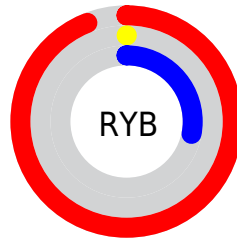
The XYZ color **37.0725, 18.9802, 7.6708** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **38.3277, 65.1870, 48.1280**, and the grayscale version is **7.5949, 7.9904, 8.7016**.

A 20% lighter version of the original color is **48.5725, 30.5973, 20.7986**, and **17.9010, 9.2027, 1.9952** is the 20% darker color. If you saturate the color by 10%, you get **37.0709, 18.9795, 7.6636**, and if you desaturate by 10%, it is **38.0203, 19.8839, 11.0458**.

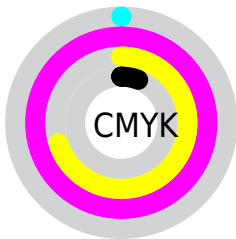
Distribution



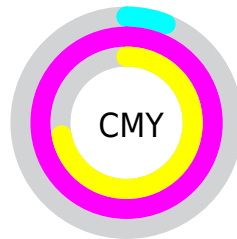
- Red (94%)
- Green (0%)
- Blue (28%)



- Red (94%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0725, 18.9802, 7.6708 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 37.0725, 18.9802, 7.6708 by changing the saturation by 10% instead.


 37.0725, 18.9802,
7.6708


 37.0725, 18.9802,
7.6708


324.9744,
246.3394, 182.9638


 25.4376, 11.6560,
3.8003


 69.9974, 41.7006,
21.8459

 16.5338, 6.5099,
1.5164


 92.0180, 57.8656,
32.9876

 9.9959, 3.1575,
0.2301


 118.2313, 77.7464,
47.3901

 5.4585, 1.2145,
0.0000

 149.0026,
101.7272, 65.4720

 2.5562, 0.0735,
0.0000

 184.6971,
130.1925, 87.6517

 0.9237, 0.0000,
0.0000

 225.6804,

 0.0000, 0.0000,

163.5267, 114.3479

0.0000

272.3177,
202.1142, 145.9791

■ 37.0725, 18.9802,
7.6708

■ 37.0725, 18.9802,
7.6708

■ 37.0709, 18.9795,
7.6636

■ 38.0203, 19.8839,
11.0458

■ 39.5343, 21.6600,
15.4102

■ 41.7513, 24.5658,
20.8603

■ 44.7556, 28.7549,
27.4710

■ 48.6190, 34.3568,
35.3093

■ 53.4047, 41.4849,
44.4369

■ 59.1699, 50.2412,
54.9108

■ 65.9669, 60.7186,
66.7846

■ 73.8442, 73.0030,
80.1086

Harmonies

Analogous

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



38.8417, 18.9802, 27.1754



37.0725, 18.9802, 7.6708



29.5459, 18.9802, 1.5001

Triad

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



37.0725, 18.9802, 7.6708



8.1355, 18.9802, 3.4976



16.0494, 18.9802, 106.6690

Complementary

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



37.0725, 18.9802, 7.6708



38.3277, 65.1870, 48.1280

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.



9.9925, 18.9802, 81.9561



37.0725, 18.9802, 7.6708



6.4220, 18.9802, 15.2895

Square

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



37.0725, 18.9802, 7.6708



12.6094, 18.9802, 0.6555



6.9786, 18.9802, 43.4759



24.8416, 18.9802, 97.7149

Rectangle

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



37.0725, 18.9802, 7.6708



23.2485, 18.9802, 0.4778



6.9786, 18.9802, 43.4759



13.6742, 18.9802, 101.6292

Sweetspot

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



37.0729, 18.9814, 7.6711



67.8165, 57.5227, 62.8596



31.8810, 14.6193, 83.5790



13.8876, 11.3543, 12.3268



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.



37.0729, 18.9814, 7.6711



42.5235, 21.7734, 8.6886



36.9942, 20.6432, 2.0365



15.9651, 15.8357, 17.3723



20.3440, 10.4100, 4.4620



1.7345, 0.8828, 0.5925

Inverse Universe

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



37.0729, 18.9814, 7.6711



42.5235, 21.7734, 8.6886



34.5810, 43.9960, 89.1070



15.9651, 15.8357, 17.3723



20.3440, 10.4100, 4.4620



1.7345, 0.8828, 0.5925

Previews

White Background



This preview shows how the XYZ color 37.0725, 18.9802, 7.6708 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 37.0725, 18.9802, 7.6708 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 37.0725, 18.9802, 7.6708

Background



This preview shows how black text looks on a background with the XYZ color 37.0725, 18.9802, 7.6708.



This preview shows how white text looks on a background with the XYZ color 37.0725, 18.9802,

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

37.0725, 18.9802, 7.6708

Protanopia

18.4114, 19.5282, 16.1635

Deuteranopia

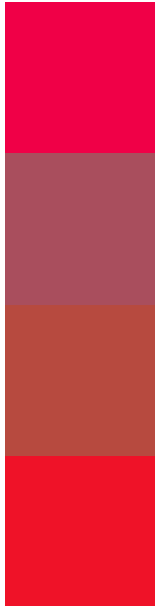
19.7973, 19.3859, 6.8361



Tritanopia

36.1906, 19.2913, 2.6267

Trichromacy



Original Color

37.0725, 18.9802, 7.6708

Protanomaly

21.0624, 14.6741, 12.0782

Deuteranomaly

22.8744, 15.3237, 6.4548

Tritanomaly

36.1959, 18.9365, 3.7549

Monochromacy



Original Color

37.0725, 18.9802, 7.6708

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

13.0046, 8.3067, 7.9391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0725, 18.9802, 7.6708 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(240, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 71)  
}
```

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(240, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 71) }
```

Border

The CSS property to change the border of an element to XYZ 37.0725, 18.9802, 7.6708 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(240, 0, 71) }
```


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

```
.border{ border-color:rgb(240, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0725, 18.9802, 7.6708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 71) }
```

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

```
.background{ background-color: rgb(240, 0,  
71) }
```

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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