

Converting Colors

XYZ(37.1258, 19.0903, 3.9397)

Have a look what the booklet for
XYZ(37.1258, 19.0903, 3.9397)
contains.

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Color

**XYZ(37.0359, 19.0444,
3.9144)**

Conversions

Conversions Part 1

Format	Color
Hex	F2002A
RGB	242, 0, 42
RGB Percent	95%, 0%, 16%
CMY	0.0510, 0.9998, 0.8353
CMYK	0.00, 1.00, 0.83, 0.05
HSL	350°, 100%, 47%
HSV	350°, 100%, 95%
XYZ	37.0359, 19.0444, 3.9144
YIQ	77.1460, 130.7500, 64.3660

Conversions

Conversions Part 2

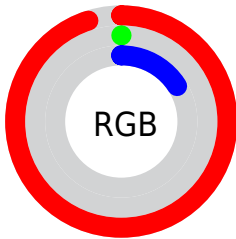
Format	Color
RYB	242, 0, 42
Decimal	15859754
CIELab	50.74, 77.53, 49.06
CIELCh	51, 91.750, 32.324
Yxy	19.0444, 0.6173, 0.3174
Android (android.graphics.Color)	4294049834 (0xFFFF2002A)
YUV	77.1460, -17.3270, 144.5770
Hunter-Lab	43.6399, 75.1179, 25.2297

Details

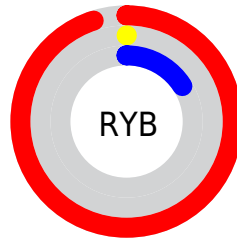
The XYZ color **37.0359, 19.0444, 3.9144** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **42.1850, 67.6772, 65.5200**, and the grayscale version is **7.1017, 7.4715, 8.1365**.

A 20% lighter version of the original color is **47.0459, 29.9867, 12.7596**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **37.0347, 19.0439, 3.9097**, and if you desaturate by 10%, it is **37.8194, 19.8891, 6.4038**.

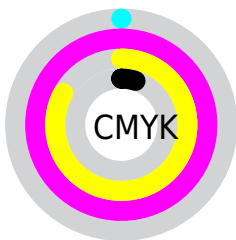
Distribution



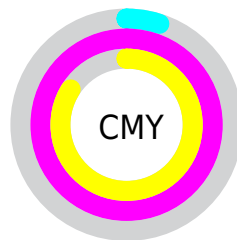
- Red (95%)
- Green (0%)
- Blue (16%)



- Red (95%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0359, 19.0444, 3.9144 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 37.0359, 19.0444, 3.9144 by changing the saturation by 10% instead.


 37.0359, 19.0444,
3.9144


 37.0359, 19.0444,
3.9144


324.8188,
246.6938, 147.2691


 25.4091, 11.7024,
1.5785


 69.9415, 41.8091,
13.8119

 16.5125, 6.5414,
0.2754


 91.9509, 58.0006,
22.2105

 9.9806, 3.1770,
0.0000


 118.1520, 77.9106,
33.4671

 5.4483, 1.2248,
0.0000

 148.9100,
101.9237, 48.0003

 2.5501, 0.0818,
0.0000

 184.5904,
130.4241, 66.2285

 0.9206, 0.0000,
0.0000

 225.5584,

 0.0000, 0.0000,

163.7964, 88.5704

0.0000

272.1794,
202.4248, 115.4444

■ 37.0359, 19.0444,
3.9144

■ 37.0359, 19.0444,
3.9144

■ 37.0347, 19.0439,
3.9097

■ 37.8194, 19.8891,
6.4038

■ 39.2170, 21.6383,
10.0943

■ 41.3771, 24.5574,
15.1335

■ 44.3936, 28.8064,
21.6393

■ 48.3468, 34.5204,
29.7160

■ 53.3072, 41.8173,
39.4583

■ 59.3386, 50.8035,
50.9535

■ 66.4994, 61.5759,
64.2823

■ 74.8437, 74.2239,
79.5207

Harmonies

Analogous

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



41.5073, 19.0444, 18.7891



37.0359, 19.0444, 3.9144



27.3962, 19.0444, 0.4355

Triad

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



37.0359, 19.0444, 3.9144



6.6874, 19.0444, 5.1764



18.8126, 19.0444, 120.2692

Complementary

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



37.0359, 19.0444, 3.9144



42.1850, 67.6772, 65.5200

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.



11.1895, 19.0444, 102.9825



37.0359, 19.0444, 3.9144



5.7248, 19.0444, 22.8132

Square

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



37.0359, 19.0444, 3.9144



10.3298, 19.0444, 0.6956



7.0556, 19.0444, 60.1737



29.0312, 19.0444, 97.2378

Rectangle

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



37.0359, 19.0444, 3.9144



20.5145, 19.0444, 0.0000



7.0556, 19.0444, 60.1737



15.8849, 19.0444, 118.9708

Sweetspot

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



37.0363, 19.0456, 3.9147



66.7480, 57.0953, 57.2330



39.2225, 18.3695, 85.4823



13.6409, 11.2556, 11.0278



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.



37.0363, 19.0456, 3.9147



41.6985, 21.4434, 4.3442



39.2492, 24.1396, 2.5925



15.8846, 15.8036, 16.9486



19.9298, 10.2444, 2.2811



1.6898, 0.8649, 0.3571

Inverse Universe

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



37.0363, 19.0456, 3.9147



41.6985, 21.4434, 4.3442



29.5525, 33.4607, 88.9049



15.8846, 15.8036, 16.9486



19.9298, 10.2444, 2.2811



1.6898, 0.8649, 0.3571

Previews

White Background



This preview shows how the XYZ color 37.0359, 19.0444, 3.9144 looks on a white background.

Color Contrast Check

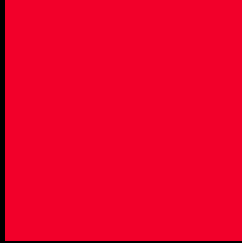
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0359, 19.0444, 3.9144 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 37.0359, 19.0444, 3.9144

Background



This preview shows how black text looks on a background with the XYZ color 37.0359, 19.0444, 3.9144.



This preview shows how white text looks on a background with the XYZ color 37.0359, 19.0444,

3.9144.

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

37.0359, 19.0444, 3.9144

Protanopia

18.0878, 19.7221, 8.1636

Deuteranopia

19.8721, 19.5030, 3.2894



Tritanopia

36.5625, 19.2746, 1.7933

Trichromacy



Original Color

37.0359, 19.0444, 3.9144



Protanomaly

20.9437, 14.7529, 5.7467



Deuteranomaly

23.1401, 15.5415, 2.8171



Tritanomaly

36.5189, 19.0493, 2.2041

Monochromacy



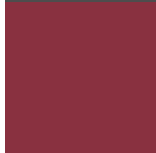
Original Color

37.0359, 19.0444, 3.9144



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.3403, 7.8852, 5.7221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0359, 19.0444, 3.9144 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(242, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 42)  
}
```

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(242, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 37.0359, 19.0444, 3.9144 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(242, 0, 42) }
```


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

```
.border{ border-color:rgb(242, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0359, 19.0444, 3.9144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 42) }
```

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

```
.background{ background-color: rgb(242, 0,  
42) }
```

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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