

Converting Colors

XYZ(37.2469, 19.1388, 4.5778)

Have a look what the booklet for
XYZ(37.2469, 19.1388, 4.5778)
contains.

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Color

**XYZ(37.1515, 19.0906,
4.5231)**

Conversions

Conversions Part 1

Format	Color
Hex	F20030
RGB	242, 0, 48
RGB Percent	95%, 0%, 19%
CMY	0.0510, 0.9998, 0.8118
CMYK	0.00, 1.00, 0.80, 0.05
HSL	348°, 100%, 47%
HSV	348°, 100%, 95%
XYZ	37.1515, 19.0906, 4.5231
YIQ	77.8300, 128.8240, 66.2320

Conversions

Conversions Part 2

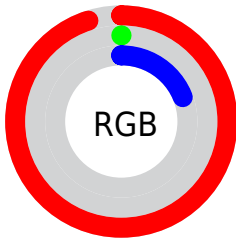
Format	Color
RYB	242, 0, 48
Decimal	15859760
CIELab	50.79, 77.68, 45.89
CIELCh	51, 90.224, 30.575
Yxy	19.0906, 0.6114, 0.3142
Android (android.graphics.Color)	4294049840 (0xFFFF20030)
YUV	77.8300, -14.7062, 143.9771
Hunter-Lab	43.6928, 75.3142, 24.4472

Details

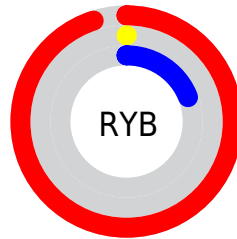
The XYZ color **37.1515, 19.0906, 4.5231** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.4967, 67.4019, 61.8952**, and the grayscale version is **7.2252, 7.6015, 8.2781**.

A 20% lighter version of the original color is **47.3083, 30.0916, 14.1413**, and **17.9264, 9.2389, 0.9533** is the 20% darker color. If you saturate the color by 10%, you get **37.1503, 19.0902, 4.5181**, and if you desaturate by 10%, it is **37.9751, 19.9512, 7.2236**.

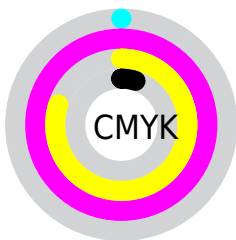
Distribution



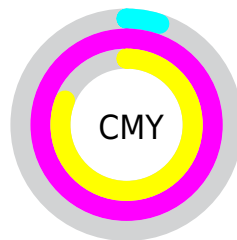
- Red (95%)
- Green (0%)
- Blue (19%)



- Red (95%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1515, 19.0906, 4.5231 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 37.1515, 19.0906, 4.5231 by changing the saturation by 10% instead.


 37.1515, 19.0906,
4.5231


 37.1515, 19.0906,
4.5231


325.3101,
246.9485, 153.8734


 25.4990, 11.7358,
1.9165

 70.1181, 41.8871,
15.1993

 16.5799, 6.5640,
0.5032


 92.1628, 58.0976,
24.1059

 10.0289, 3.1910,
0.0000


 118.4024, 78.0288,
35.9496

 5.4805, 1.2322,
0.0000

 149.2022,
102.0650, 51.1490

 2.5695, 0.0878,
0.0000

 184.9275,
130.5907, 70.1225

 0.9304, 0.0000,
0.0000

 225.9437,

 0.0000, 0.0000,

163.9902, 93.2887

0.0000

272.6161,
202.6480, 121.0661

■ 37.1515, 19.0906,
4.5231

■ 37.1515, 19.0906,
4.5231

■ 37.1503, 19.0902,
4.5181

■ 37.9751, 19.9512,
7.2236

■ 39.4061, 21.7137,
11.0904

■ 41.5906, 24.6425,
16.2586

■ 44.6207, 28.8969,
22.8359

■ 48.5748, 34.6110,
30.9180

■ 53.5222, 41.9027,
40.5921

■ 59.5252, 50.8774,
51.9384

■ 66.6413, 61.6317,
65.0319

■ 74.9233, 74.2546,
79.9427

Harmonies

Analogous

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



41.1072, 19.0906, 20.2997



37.1515, 19.0906, 4.5231



27.8824, 19.0906, 0.6285

Triad

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



37.1515, 19.0906, 4.5231



6.9733, 19.0906, 4.8375



18.3169, 19.0906, 117.9076

Complementary

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



37.1515, 19.0906, 4.5231



41.4967, 67.4019, 61.8952

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.



10.9883, 19.0906, 98.9839



37.1515, 19.0906, 4.5231



5.8739, 19.0906, 21.2808

Square

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



37.1515, 19.0906, 4.5231



10.7773, 19.0906, 0.6918



7.0642, 19.0906, 56.8576



28.2793, 19.0906, 97.6020

Rectangle

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



37.1515, 19.0906, 4.5231



21.0843, 19.0906, 0.0000



7.0642, 19.0906, 56.8576



15.4925, 19.0906, 115.8303

Sweetspot

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



37.1519, 19.0918, 4.5234



66.9594, 57.1799, 58.3461



38.1760, 17.8300, 85.4334



13.6895, 11.2750, 11.2836



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.



37.1519, 19.0918, 4.5234



41.8272, 21.4949, 5.0223



38.9771, 23.5953, 2.5017



15.9008, 15.8100, 17.0340



19.9958, 10.2707, 2.6284



1.6976, 0.8681, 0.3982

Inverse Universe

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



37.1519, 19.0918, 4.5234



41.8272, 21.4949, 5.0223



30.2934, 34.9425, 89.1519



15.9008, 15.8100, 17.0340



19.9958, 10.2707, 2.6284



1.6976, 0.8681, 0.3982

Previews

White Background



This preview shows how the XYZ color 37.1515, 19.0906, 4.5231 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 37.1515, 19.0906, 4.5231 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 37.1515, 19.0906, 4.5231

Background



This preview shows how black text looks on a background with the XYZ color 37.1515, 19.0906, 4.5231.



This preview shows how white text looks on a background with the XYZ color 37.1515, 19.0906,

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

37.1515, 19.0906, 4.5231

Protanopia

18.1505, 19.7287, 9.3299

Deuteranopia

19.8062, 19.4545, 3.9395



Tritanopia

36.5438, 19.2371, 1.7871

Trichromacy



Original Color

37.1515, 19.0906, 4.5231



Protanomaly

20.9121, 14.7147, 6.7391



Deuteranomaly

23.0324, 15.4702, 3.5224



Tritanomaly

36.5207, 19.0291, 2.2784

Monochromacy



Original Color

37.1515, 19.0906, 4.5231



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.6350, 8.0897, 6.2057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1515, 19.0906, 4.5231 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 48) }
```

Border

The CSS property to change the border of an element to XYZ 37.1515, 19.0906, 4.5231 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, 48) }
```


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

```
.border{ border-color:rgb(242, 0, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 48);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.1515, 19.0906, 4.5231 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, 48) }
```

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

```
.background{ background-color: rgb(242, 0,  
48) }
```

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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