

Converting Colors

XYZ(37.1855, 19.1142, 4.2543)

Have a look what the booklet for
XYZ(37.1855, 19.1142, 4.2543)
contains.

XYZ(37.0916, 19.0667, 4.2079)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0916, 19.0667,
4.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	F2002D
RGB	242, 0, 45
RGB Percent	95%, 0%, 18%
CMY	0.0510, 0.9998, 0.8235
CMYK	0.00, 1.00, 0.81, 0.05
HSL	349°, 100%, 47%
HSV	349°, 100%, 95%
XYZ	37.0916, 19.0667, 4.2079
YIQ	77.4880, 129.7870, 65.2990

Conversions

Conversions Part 2

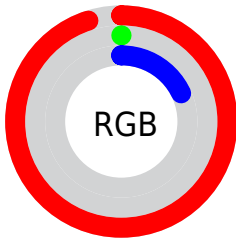
Format	Color
R_{YB}	242, 0, 45
Decimal	15859757
CIE Lab	50.77, 77.60, 47.49
CIE LCh	51, 90.983, 31.467
Yxy	19.0667, 0.6144, 0.3159
Android (android.graphics.Color)	4294049837 (0xFFFF2002D)
YUV	77.4880, -16.0166, 144.2770
Hunter-Lab	43.6654, 75.2123, 24.8522

Details

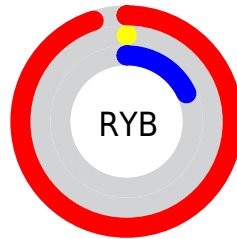
The XYZ color **37.0916, 19.0667, 4.2079** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **41.8377, 67.5382, 63.6913**, and the grayscale version is **7.1636, 7.5367, 8.2074**.

A 20% lighter version of the original color is **47.1745, 30.0381, 13.4368**, and **17.9045, 9.2301, 0.8379** is the 20% darker color. If you saturate the color by 10%, you get **37.0904, 19.0662, 4.2028**, and if you desaturate by 10%, it is **37.8954, 19.9195, 6.8039**.

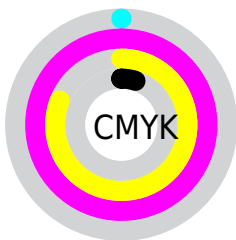
Distribution



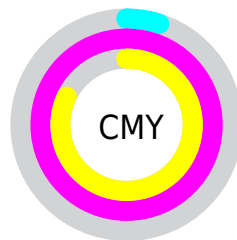
- Red (95%)
- Green (0%)
- Blue (18%)



- Red (95%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0916, 19.0667, 4.2079 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 37.0916, 19.0667, 4.2079 by changing the saturation by 10% instead.


 37.0916, 19.0667,
4.2079


 37.0916, 19.0667,
4.2079


325.0556,
246.8167, 150.5089


 25.4524, 11.7185,
1.7401


 70.0266, 41.8468,
14.4865

 16.5450, 6.5523,
0.3880


 92.0531, 58.0474,
23.1343


 10.0039, 3.1837,
0.0000


 118.2727, 77.9677,
34.6792

 5.4638, 1.2284,
0.0000

 149.0508,
101.9919, 49.5397

 2.5594, 0.0847,
0.0000

 184.7528,
130.5046, 68.1344

 0.9253, 0.0000,
0.0000

 225.7441,

 0.0000, 0.0000,

163.8900, 90.8818

0.0000

272.3899,
202.5326, 118.2005

■ 37.0916, 19.0667,
4.2079

■ 37.0916, 19.0667,
4.2079

■ 37.0904, 19.0662,
4.2028

■ 37.8954, 19.9195,
6.8039

■ 39.3100, 21.6756,
10.5839

■ 41.4826, 24.5997,
15.6892

■ 44.5064, 28.8517,
22.2324

■ 48.4604, 34.5660,
30.3134

■ 53.4146, 41.8606,
40.0232

■ 59.4322, 50.8414,
51.4453

■ 66.5709, 61.6049,
64.6575

■ 74.8843, 74.2406,
79.7330

Harmonies

Analogous

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



41.3076, 19.0667, 19.5253



37.0916, 19.0667, 4.2079



27.6348, 19.0667, 0.5309

Triad

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



37.0916, 19.0667, 4.2079



6.8276, 19.0667, 5.0070



18.5660, 19.0667, 119.0925

Complementary

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



37.0916, 19.0667, 4.2079



41.8377, 67.5382, 63.6913

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.



11.0896, 19.0667, 100.9886



37.0916, 19.0667, 4.2079



5.7981, 19.0667, 22.0465

Square

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



37.0916, 19.0667, 4.2079



10.5492, 19.0667, 0.6938



7.0598, 19.0667, 58.5169



28.6570, 19.0667, 97.4131

Rectangle

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



37.0916, 19.0667, 4.2079



20.7942, 19.0667, 0.0000



7.0598, 19.0667, 58.5169



15.6898, 19.0667, 117.4061

Sweetspot

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



37.0920, 19.0679, 4.2082



66.8533, 57.1374, 57.7873



38.1762, 17.8301, 85.4332



13.6651, 11.2653, 11.1551



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.



37.0920, 19.0679, 4.2082



41.7605, 21.4682, 4.6708



38.9772, 23.5956, 2.5019



15.8927, 15.8068, 16.9913



19.9617, 10.2571, 2.4488



1.6936, 0.8665, 0.3773

Inverse Universe

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



37.0920, 19.0679, 4.2082



41.7605, 21.4682, 4.6708



30.2936, 34.9429, 89.1518



15.8927, 15.8068, 16.9913



19.9617, 10.2571, 2.4488



1.6936, 0.8665, 0.3773

Previews

White Background



This preview shows how the XYZ color 37.0916, 19.0667, 4.2079 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 37.0916, 19.0667, 4.2079 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 37.0916, 19.0667, 4.2079

Background



This preview shows how black text looks on a background with the XYZ color 37.0916, 19.0667, 4.2079.



This preview shows how white text looks on a background with the XYZ color 37.0916, 19.0667,

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

37.0916, 19.0667, 4.2079

Protanopia

18.0200, 19.6764, 8.6425

Deuteranopia

19.7473, 19.4310, 3.6295



Tritanopia

36.5438, 19.2371, 1.7871

Trichromacy



Original Color

37.0916, 19.0667, 4.2079

Protanomaly

20.8003, 14.6699, 6.1502

Deuteranomaly

22.9592, 15.4409, 3.1368

Tritanomaly

36.5131, 19.0260, 2.2381

Monochromacy



Original Color

37.0916, 19.0667, 4.2079

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.6052, 8.0778, 6.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0916, 19.0667, 4.2079 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 45) }
```

Border

The CSS property to change the border of an element to XYZ 37.0916, 19.0667, 4.2079 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, 45) }
```


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

```
.border{ border-color:rgb(242, 0, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.0916, 19.0667, 4.2079 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, 45) }
```

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

```
.background{ background-color: rgb(242, 0,  
45) }
```

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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