

Converting Colors

XYZ(37.4894, 20.4915, 1.9812)

Have a look what the booklet for
XYZ(37.4894, 20.4915, 1.9812)
contains.

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Color

**XYZ(37.4109, 20.4631,
1.9780)**

Conversions

Conversions Part 1

Format	Color
Hex	F22900
RGB	242, 41, 0
RGB Percent	95%, 16%, 0%
CMY	0.0510, 0.8391, 1.0000
CMYK	0.00, 0.83, 1.00, 0.05
HSL	10°, 100%, 47%
HSV	10°, 100%, 95%
XYZ	37.4109, 20.4631, 1.9780
YIQ	96.4250, 132.9570, 29.8610

Conversions

Conversions Part 2

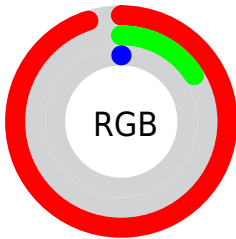
Format	Color
RYB	242, 49, 0
Decimal	15870208
CIELab	52.36, 71.79, 65.28
CIElCh	52, 97.031, 42.282
Yxy	20.4631, 0.6251, 0.3419
Android (android.graphics.Color)	4294060288 (0xFFFF22900)
YUV	96.4250, -47.5375, 127.6693
Hunter-Lab	45.2362, 68.4586, 29.0728

Details

The XYZ color **37.4109, 20.4631, 1.9780** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **36.9091, 48.1752, 91.3572**, and the grayscale version is **11.3135, 11.9027, 12.9621**.

A 20% lighter version of the original color is **47.3920, 32.3009, 7.8745**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **37.4113, 20.4643, 1.9782**, and if you desaturate by 10%, it is **38.4597, 22.2940, 3.1513**.

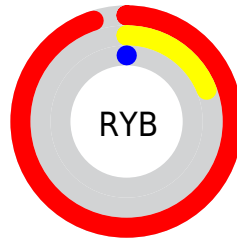
Distribution



Red (95%)

Green (16%)

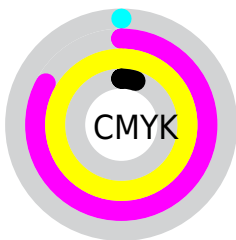
Blue (0%)



Red (95%)

Yellow (19%)

Blue (0%)

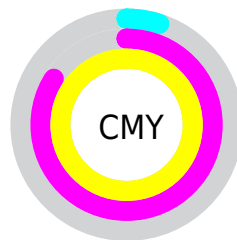


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4109, 20.4631, 1.9780 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 37.4109, 20.4631, 1.9780 by changing the saturation by 10% instead.


 37.4109, 20.4631,
1.9780


 37.4109, 20.4631,
1.9780


 326.4108,
254.4112, 122.0342


 25.7009, 12.7321,
0.5417


 70.5140, 44.1923,
8.9806

 16.7315, 7.2443,
0.0000


 92.6379, 60.9592,
15.4426


 10.1374, 3.6154,
0.0000


 118.9638, 81.5070,
24.4366

 5.5531, 1.4608,
0.0000

 149.8570,
106.2199, 36.3811

 2.6134, 0.2609,
0.0000

 185.6830,
135.4824, 51.6945


 0.9528, 0.0000,
0.0000


 226.8071,


 0.0000, 0.0000,


169.6788, 70.7955

0.0000


 273.5945,
209.1937, 94.1025


 37.4109, 20.4631,
1.9780


 37.4109, 20.4631,
1.9780


 37.4113, 20.4643,
1.9782

 38.4597, 22.2940,
3.1513

 40.1180, 25.0109,
5.5531

 42.4914, 28.7214,
9.5386

 45.6537, 33.5117,
15.3230

 49.6693, 39.4583,
23.0880

■ 54.5956, 46.6306,
32.9927

■ 60.4848, 55.0927,
45.1801

■ 67.3853, 64.9037,
59.7806

■ 75.3420, 76.1196,
76.9150

Harmonies

Analogous

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



44.9148, 20.4631, 12.5048



37.4109, 20.4631, 1.9780



25.9030, 20.4631, 0.0000

Triad

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



37.4109, 20.4631, 1.9780



6.2872, 20.4631, 9.3789



23.8302, 20.4631, 130.9091

Complementary

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



37.4109, 20.4631, 1.9780



36.9091, 48.1752, 91.3572

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.



14.1682, 20.4631, 126.5600



37.4109, 20.4631, 1.9780



6.0676, 20.4631, 36.1574

Square

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



37.4109, 20.4631, 1.9780



9.1746, 20.4631, 1.3307



8.4157, 20.4631, 83.5990



35.4531, 20.4631, 92.8301

Rectangle

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



37.4109, 20.4631, 1.9780



18.6944, 20.4631, 0.0000



8.4157, 20.4631, 83.5990



20.2248, 20.4631, 134.9082

Sweetspot

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



37.4113, 20.4644, 1.9783



68.0589, 61.9600, 50.7555



47.2389, 23.1256, 57.6441



13.9389, 12.3618, 9.5545



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.



37.4113, 20.4644, 1.9783



42.1120, 23.0040, 2.2207



49.4209, 44.4836, 5.9815



15.9893, 16.1917, 16.4323



20.1646, 11.1273, 1.0850



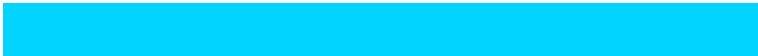
1.7397, 1.0501, 0.1110

Inverse Universe

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



36.9091, 48.1752, 91.3572



41.5380, 54.1959, 102.8793



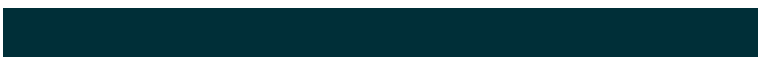
18.9447, 12.2464, 85.3691



16.0061, 17.4463, 20.2455



19.9161, 26.0565, 49.1076



1.7165, 2.2870, 4.1052

Previews

White Background



This preview shows how the XYZ color 37.4109, 20.4631, 1.9780 looks on a white background.

Color Contrast Check

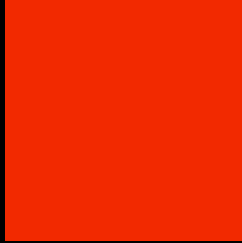
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.4109, 20.4631, 1.9780 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 37.4109, 20.4631, 1.9780

Background



This preview shows how black text looks on a background with the XYZ color 37.4109, 20.4631, 1.9780.

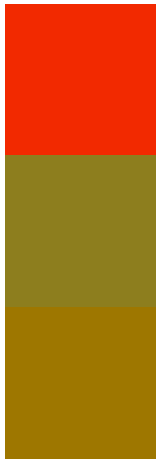


This preview shows how white text looks on a background with the XYZ color 37.4109, 20.4631,

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

37.4109, 20.4631, 1.9780

Protanopia

18.6797, 20.6782, 4.2351

Deuteranopia

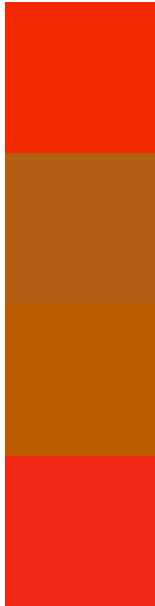
20.6974, 20.4628, 2.8588



Tritanopia

37.6619, 20.4557, 3.6324

Trichromacy



Original Color

37.4109, 20.4631, 1.9780

Protanomaly

22.5698, 17.6964, 2.8423

Deuteranomaly

24.7274, 18.3010, 2.2292

Tritanomaly

37.5314, 20.4567, 2.7810

Monochromacy



Original Color

37.4109, 20.4631, 1.9780

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

15.8212, 11.8954, 5.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4109, 20.4631, 1.9780 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, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 41, 0)  
}
```

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, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 41, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.4109, 20.4631, 1.9780 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, 41, 0) }
```


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

```
.border{ border-color:rgb(242, 41, 0) }
```

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

Here you see how a box with a 4 pixel rgb(242, 41, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4109, 20.4631, 1.9780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 41, 0) }
```

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

```
.background{ background-color: rgb(242, 41,  
0) }
```

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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