

Converting Colors

XYZ(37.2684, 21.4362, 0.1858)

Have a look what the booklet for
XYZ(37.2684, 21.4362, 0.1858)
contains.

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Color

**XYZ(37.7388, 21.6270,
2.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	F13900
RGB	241, 57, 0
RGB Percent	95%, 22%, 0%
CMY	0.0549, 0.7764, 1.0000
CMYK	0.00, 0.76, 1.00, 0.05
HSL	14°, 100%, 47%
HSV	14°, 100%, 95%
XYZ	37.7388, 21.6270, 2.1854
YIQ	105.5180, 127.9610, 21.2810

Conversions

Conversions Part 2

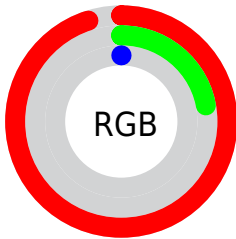
Format	Color
R_{YB}	241, 75, 0
Decimal	15808768
CIE Lab	53.63, 67.37, 65.70
CIE LCh	54, 94.101, 44.279
Yxy	21.6270, 0.6131, 0.3514
Android (android.graphics.Color)	4293998848 (0xFFFF13900)
YUV	105.5180, -52.0204, 118.8177
Hunter-Lab	46.5048, 63.4698, 29.7672

Details

The XYZ color **37.7388, 21.6270, 2.1854** 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 **33.0153, 40.6271, 89.3203**, and the grayscale version is **13.6826, 14.3952, 15.6763**.

A 20% lighter version of the original color is **48.5607, 34.5538, 8.5250**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **37.7391, 21.6280, 2.1856**, and if you desaturate by 10%, it is **38.9855, 23.8554, 3.4196**.

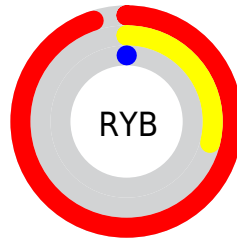
Distribution



Red (95%)

Green (22%)

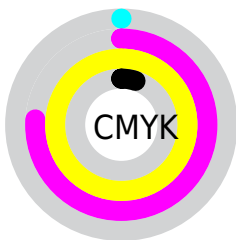
Blue (0%)



Red (95%)

Yellow (29%)

Blue (0%)

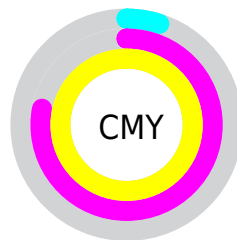


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7388, 21.6270, 2.1854 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 37.7388, 21.6270, 2.1854 by changing the saturation by 10% instead.


 37.7388, 21.6270,
2.1854


 37.7388, 21.6270,
2.1854


327.7984,
260.5921, 125.1923


 25.9563, 13.5831,
0.6659

 71.0141, 46.1287,
9.5417


 16.9235, 7.8313,
0.0000


 93.2376, 63.3553,
16.2454


 10.2749, 3.9872,
0.0000


 119.6722, 84.4116,
25.5241

 5.6453, 1.6664,
0.0000

 150.6832,
109.6820, 37.7964

 2.6692, 0.4018,
0.0000

 186.6360,
139.5508, 53.4808

 0.9813, 0.0000,
0.0000


 227.8958,


 0.0000, 0.0000,


174.4025, 72.9959


0.0000


 274.8282,
214.6215, 96.7603


 37.7388, 21.6270,
2.1854


 37.7388, 21.6270,
2.1854


 37.7391, 21.6280,
2.1856

 38.9855, 23.8554,
3.4196

 40.7991, 26.8877,
5.8579

 43.2725, 30.8074,
9.8486

 46.4693, 35.6805,
15.6018

 50.4449, 41.5665,
23.2943

■ 55.2491, 48.5196,
33.0812

■ 60.9270, 56.5901,
45.1020

■ 67.5206, 65.8252,
59.4838

■ 75.0690, 76.2690,
76.3444

Harmonies

Analogous

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



45.5640, 21.6270, 12.3605



37.7388, 21.6270, 2.1854



26.2524, 21.6270, 0.1316

Triad

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



37.7388, 21.6270, 2.1854



6.9960, 21.6270, 11.5053



25.7031, 21.6270, 128.2993

Complementary

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



37.7388, 21.6270, 2.1854



33.0153, 40.6271, 89.3203

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.



15.7494, 21.6270, 127.1860



37.7388, 21.6270, 2.1854



6.9348, 21.6270, 40.0169

Square

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



37.7388, 21.6270, 2.1854



9.7961, 21.6270, 1.9896



9.5877, 21.6270, 87.2244



37.2254, 21.6270, 89.6043

Rectangle

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



37.7388, 21.6270, 2.1854



19.1466, 21.6270, 0.0000



9.5877, 21.6270, 87.2244



22.0326, 21.6270, 133.1790

Sweetspot

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



37.7393, 21.6283, 2.1857



69.2011, 64.2442, 51.1363



45.0078, 22.1937, 47.6817



14.2018, 12.8876, 9.6421



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.



37.7393, 21.6283, 2.1857



42.8729, 24.5257, 2.4743



51.9450, 50.0399, 6.9210



16.0763, 16.3658, 16.4613



20.5512, 11.9004, 1.2138



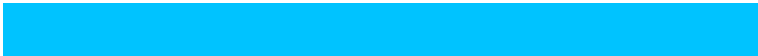
1.7839, 1.1385, 0.1257

Inverse Universe

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



33.0153, 40.6271, 89.3203



37.4927, 46.1054, 101.5309



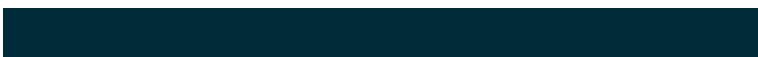
17.7257, 10.0481, 84.2238



15.9120, 17.2581, 20.2141



18.0124, 22.2490, 48.4730



1.5739, 2.0018, 4.0577

Previews

White Background



This preview shows how the XYZ color 37.7388, 21.6270, 2.1854 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 37.7388, 21.6270, 2.1854 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 37.7388, 21.6270, 2.1854

Background



This preview shows how black text looks on a background with the XYZ color 37.7388, 21.6270, 2.1854.



This preview shows how white text looks on a background with the XYZ color 37.7388, 21.6270,

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

37.7388, 21.6270, 2.1854

Protanopia

19.7369, 21.8041, 4.2670

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

38.5569, 21.6898, 5.6444

Trichromacy



Original Color

37.7388, 21.6270, 2.1854

Protanomaly

23.7818, 19.4475, 3.0726

Deuteranomaly

25.8535, 19.8117, 2.4614

Tritanomaly

38.2258, 21.6311, 3.6739

Monochromacy



Original Color

37.7388, 21.6270, 2.1854

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.0204, 14.3533, 7.1309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7388, 21.6270, 2.1854 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(241, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 57, 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(241, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7388, 21.6270, 2.1854 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(241, 57, 0) }
```


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

```
.border{ border-color:rgb(241, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.7388, 21.6270, 2.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 57, 0) }
```

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

```
.background{ background-color: rgb(241, 57,  
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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