

Converting Colors

XYZ(37.2083, 21.0715, 2.1061)

Have a look what the booklet for
XYZ(37.2083, 21.0715, 2.1061)
contains.

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Color

**XYZ(37.2083, 21.0715,
2.1061)**

Conversions

Conversions Part 1

Format	Color
Hex	F03500
RGB	240, 53, 0
RGB Percent	94%, 21%, 0%
CMY	0.0588, 0.7921, 1.0000
CMYK	0.00, 0.78, 1.00, 0.06
HSL	13°, 100%, 47%
HSV	13°, 100%, 94%
XYZ	37.2083, 21.0715, 2.1061
YIQ	102.8710, 128.4650, 23.1610

Conversions

Conversions Part 2

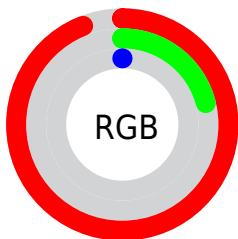
Format	Color
RYB	240, 68, 0
Decimal	15742208
CIELab	53.03, 68.23, 65.33
CIElCh	53, 94.463, 43.753
Yxy	21.0715, 0.6162, 0.3489
Android (android.graphics.Color)	4293932288 (0xFFFF03500)
YUV	102.8710, -50.7154, 120.2621
Hunter-Lab	45.9037, 64.3558, 29.4123

Details

The XYZ color **37.2083, 21.0715, 2.1061** 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 **33.4952, 41.8255, 88.7452**, and the grayscale version is **12.9660, 13.6412, 14.8553**.

A 20% lighter version of the original color is **48.1863, 33.8477, 8.2685**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **37.2087, 21.0727, 2.1063**, and if you desaturate by 10%, it is **38.3987, 23.1890, 3.3163**.

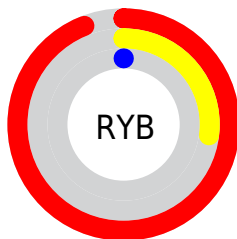
Distribution



Red (94%)

Green (21%)

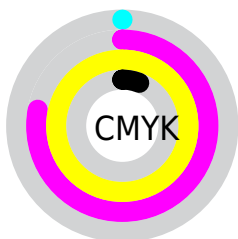
Blue (0%)



Red (94%)

Yellow (27%)

Blue (0%)

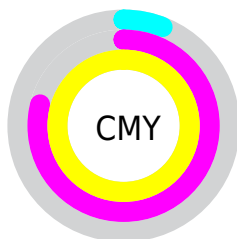


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2083, 21.0715, 2.1061 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 37.2083, 21.0715, 2.1061 by changing the saturation by 10% instead.


 37.2083, 21.0715,
2.1061


 37.2083, 21.0715,
2.1061

 325.5514,
257.6582, 124.0031


 25.5432, 13.1763,
0.6194


 70.2048, 45.2065,
9.3289

 16.6131, 7.5500,
0.0000


 92.2669, 62.2151,
15.9415


 10.0526, 3.8084,
0.0000


 118.5254, 83.0302,
25.1131

 5.4964, 1.5670,
0.0000

 149.3457,
108.0363, 37.2621

 2.5791, 0.3352,
0.0000

 185.0931,
137.6178, 52.8070

 0.9353, 0.0000,
0.0000


 226.1329,


 0.0000, 0.0000,


172.1590, 72.1665


0.0000


 272.8305,
212.0443, 95.7590


 37.2083, 21.0715,
2.1061


 37.2083, 21.0715,
2.1061


 37.2087, 21.0727,
2.1063

 38.3987, 23.1890,
3.3163

 40.1595, 26.1208,
5.7217

 42.5852, 29.9541,
9.6684

 45.7407, 34.7585,
15.3650

 49.6826, 40.5961,
22.9871

■ 54.4615, 47.5238,
32.6888

■ 60.1238, 55.5940,
44.6084

■ 66.7120, 64.8560,
58.8723

■ 74.2661, 75.3558,
75.5975

Harmonies

Analogous

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



44.8581, 21.0715, 12.2519



37.2083, 21.0715, 2.1061



25.8529, 21.0715, 0.0515

Triad

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



37.2083, 21.0715, 2.1061



6.7289, 21.0715, 10.8015



24.9138, 21.0715, 127.4339

Complementary

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



37.2083, 21.0715, 2.1061



33.4952, 41.8255, 88.7452

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.



15.1509, 21.0715, 125.5134



37.2083, 21.0715, 2.1061



6.6256, 21.0715, 38.5362

Square

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



37.2083, 21.0715, 2.1061



9.5204, 21.0715, 1.7821



9.1672, 21.0715, 85.2559



36.3281, 21.0715, 89.3536

Rectangle

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



37.2083, 21.0715, 2.1061



18.8050, 21.0715, 0.0000



9.1672, 21.0715, 85.2559



21.3026, 21.0715, 132.0331

Sweetspot

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



37.2087, 21.0728, 2.1064



68.9307, 63.7035, 51.0461



45.0120, 22.1560, 49.4810



14.1394, 12.7628, 9.6213



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.



37.2087, 21.0728, 2.1064



42.6701, 24.1203, 2.4067



50.6874, 48.0302, 6.5993



16.0559, 16.3250, 16.4545



20.4492, 11.6964, 1.1798



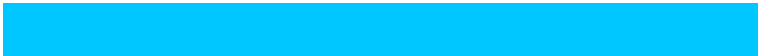
1.7728, 1.1162, 0.1220

Inverse Universe

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



33.4952, 41.8255, 88.7452



38.3980, 47.9160, 101.8327



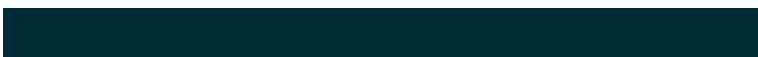
17.7953, 10.4256, 83.5118



15.9339, 17.3020, 20.2214



18.4389, 23.1020, 48.6152



1.6061, 2.0662, 4.0684

Previews

White Background



This preview shows how the XYZ color 37.2083, 21.0715, 2.1061 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 37.2083, 21.0715, 2.1061 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 37.2083, 21.0715, 2.1061

Background



This preview shows how black text looks on a background with the XYZ color 37.2083, 21.0715, 2.1061.



This preview shows how white text looks on a background with the XYZ color 37.2083, 21.0715,

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

37.2083, 21.0715, 2.1061

Protanopia

19.2565, 21.3618, 4.2069

Deuteranopia

21.3346, 21.1483, 2.9576



Tritanopia

37.9920, 21.2123, 5.1096

Trichromacy



Original Color

37.2083, 21.0715, 2.1061

Protanomaly

23.1230, 18.8160, 2.9854

Deuteranomaly

25.1691, 19.1846, 2.3764

Tritanomaly

37.7202, 21.1727, 3.4652

Monochromacy



Original Color

37.2083, 21.0715, 2.1061

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.3687, 13.6627, 6.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2083, 21.0715, 2.1061 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(240, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 53, 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(240, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.2083, 21.0715, 2.1061 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(240, 53, 0) }
```


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

```
.border{ border-color:rgb(240, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.2083, 21.0715, 2.1061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 53, 0) }
```

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

```
.background{ background-color: rgb(240, 53,  
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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