

Converting Colors

XYZ(37.2465, 21.2989, 2.1497)

Have a look what the booklet for
XYZ(37.2465, 21.2989, 2.1497)
contains.

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Color

**XYZ(37.3494, 21.3536,
2.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	F03800
RGB	240, 56, 0
RGB Percent	94%, 22%, 0%
CMY	0.0588, 0.7803, 1.0000
CMYK	0.00, 0.77, 1.00, 0.06
HSL	14°, 100%, 47%
HSV	14°, 100%, 94%
XYZ	37.3494, 21.3536, 2.1531
YIQ	104.6320, 127.6400, 21.5920

Conversions

Conversions Part 2

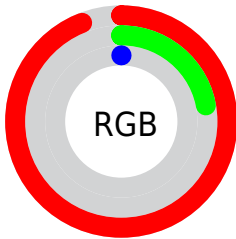
Format	Color
R_{YB}	240, 73, 0
Decimal	15742976
CIE _{Lab}	53.33, 67.37, 65.46
CIE _{LCh}	53, 93.936, 44.174
Yxy	21.3536, 0.6137, 0.3509
Android (android.graphics.Color)	4293933056 (0xFFFF03800)
YUV	104.6320, -51.5836, 118.7177
Hunter-Lab	46.2100, 63.4060, 29.5844

Details

The XYZ color **37.3494, 21.3536, 2.1531** 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 **32.8658, 40.5666, 88.5355**, and the grayscale version is **13.4402, 14.1402, 15.3987**.

A 20% lighter version of the original color is **48.4436, 34.3195, 8.4859**, and **17.4556, 8.9987, 0.8169** is the 20% darker color. If you saturate the color by 10%, you get **37.3498, 21.3548, 2.1533**, and if you desaturate by 10%, it is **38.5763, 23.5440, 3.3755**.

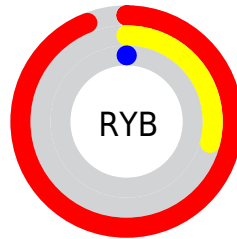
Distribution



Red (94%)

Green (22%)

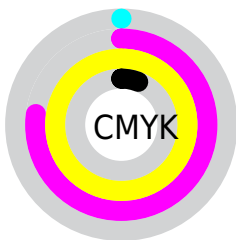
Blue (0%)



Red (94%)

Yellow (29%)

Blue (0%)

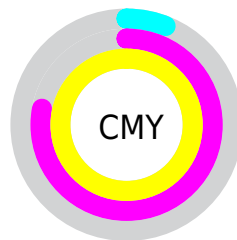


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3494, 21.3536, 2.1531 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 37.3494, 21.3536, 2.1531 by changing the saturation by 10% instead.


 37.3494, 21.3536,
2.1531


 37.3494, 21.3536,
2.1531


326.1501,
259.1518, 124.7106


 25.6530, 13.3827,
0.6471


 70.4202, 45.6753,
9.4553


 16.6956, 7.6926,
0.0000


 92.5253, 62.7949,
16.1221


 10.1116, 3.8989,
0.0000


 118.8308, 83.7328,
25.3574

 5.5359, 1.6172,
0.0000

 149.7019,
108.8735, 37.5797

 2.6029, 0.3691,
0.0000

 185.5040,
138.6014, 53.2077


 0.9474, 0.0000,
0.0000


 226.6025,


 0.0000, 0.0000,


173.3008, 72.6598


0.0000


 273.3628,
213.3561, 96.3546


 37.3494, 21.3536,
2.1531


 37.3494, 21.3536,
2.1531


 37.3498, 21.3548,
2.1533

 38.5763, 23.5440,
3.3755

 40.3663, 26.5343,
5.7906

 42.8121, 30.4079,
9.7440

 45.9771, 35.2312,
15.4437

 49.9163, 41.0635,
23.0649

■ 54.6793, 47.9592,
32.7612

■ 60.3111, 55.9687,
44.6707

■ 66.8536, 65.1390,
58.9194

■ 74.3455, 75.5145,
75.6239

Harmonies

Analogous

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



45.0808, 21.3536, 12.2459



37.3494, 21.3536, 2.1531



25.9754, 21.3536, 0.1105

Triad

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



37.3494, 21.3536, 2.1531



6.8900, 21.3536, 11.2772



25.3523, 21.3536, 127.1620

Complementary

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



37.3494, 21.3536, 2.1531



32.8658, 40.5666, 88.5355

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.



15.5113, 21.3536, 125.8968



37.3494, 21.3536, 2.1531



6.8207, 21.3536, 39.4200

Square

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



37.3494, 21.3536, 2.1531



9.6674, 21.3536, 1.9324



9.4314, 21.3536, 86.1764



36.7666, 21.3536, 88.8800

Rectangle

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



37.3494, 21.3536, 2.1531



18.9346, 21.3536, 0.0000



9.4314, 21.3536, 86.1764



21.7211, 21.3536, 131.9494

Sweetspot

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



37.3498, 21.3549, 2.1534



69.1461, 64.1343, 51.1179



44.5867, 21.9859, 47.2411



14.1891, 12.8622, 9.6379



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.



37.3498, 21.3549, 2.1534



42.8305, 24.4411, 2.4602



51.4603, 49.5758, 6.8569



16.0722, 16.3575, 16.4599



20.5299, 11.8579, 1.2068



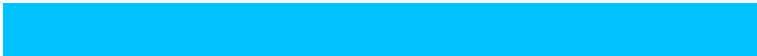
1.7816, 1.1339, 0.1250

Inverse Universe

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



32.8658, 40.5666, 88.5355



37.6741, 46.4683, 101.5914



17.5616, 9.9582, 83.4341



15.9164, 17.2670, 20.2156



18.0979, 22.4200, 48.5015



1.5804, 2.0148, 4.0598

Previews

White Background



This preview shows how the XYZ color 37.3494, 21.3536, 2.1531 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 37.3494, 21.3536, 2.1531 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 37.3494, 21.3536, 2.1531

Background



This preview shows how black text looks on a background with the XYZ color 37.3494, 21.3536, 2.1531.



This preview shows how white text looks on a background with the XYZ color 37.3494, 21.3536,

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

37.3494, 21.3536, 2.1531

Protanopia

19.4304, 21.4515, 4.2151

Deuteranopia

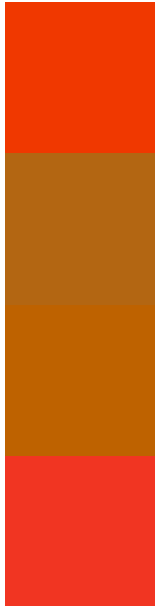
21.6575, 21.4961, 3.0077



Tritanopia

38.1462, 21.4138, 5.4909

Trichromacy



Original Color

37.3494, 21.3536, 2.1531

Protanomaly

23.4510, 19.1301, 3.0287

Deuteranomaly

25.6029, 19.6825, 2.4497

Tritanomaly

37.8375, 21.3625, 3.6425

Monochromacy



Original Color

37.3494, 21.3536, 2.1531

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.7477, 14.0917, 7.0947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3494, 21.3536, 2.1531 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 56, 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, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.3494, 21.3536, 2.1531 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, 56, 0) }
```


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

```
.border{ border-color:rgb(240, 56, 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, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3494, 21.3536, 2.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 56, 0) }
```

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

```
.background{ background-color: rgb(240, 56,  
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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