

Converting Colors

XYZ(38.1476, 21.1155, 4.7544)

Have a look what the booklet for
XYZ(38.1476, 21.1155, 4.7544)
contains.

| | |
|--|----|
| XYZ(38.1476, 21.1155, 4.7544) | 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(38.1476, 21.1155,
4.7544)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F22F2F |
| RGB | 242, 47, 47 |
| RGB Percent | 95%, 18%, 18% |
| CMY | 0.0510, 0.8156, 0.8157 |
| CMYK | 0.00, 0.81, 0.81, 0.05 |
| HSL | 0°, 88%, 57% |
| HSV | 0°, 81%, 95% |
| XYZ | 38.1476, 21.1155, 4.7544 |
| YIQ | 105.3050, 116.2200, 41.3400 |

Conversions

Conversions Part 2

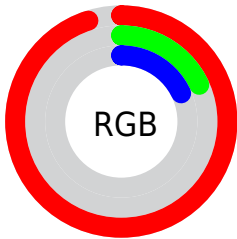
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 242, 47, 47 |
| Decimal | 15871791 |
| CIE _{Lab} | 53.08, 71.08, 48.67 |
| CIE _{LCh} | 53, 86.144, 34.400 |
| Yxy | 21.1155, 0.5959, 0.3298 |
| Android (android.graphics.Color) | 4294061871 (0xFFFF22F2F) |
| YUV | 105.3050, -28.7444, 119.8815 |
| Hunter-Lab | 45.9516, 67.7699, 26.0317 |

Details

The XYZ color **38.1476, 21.1155, 4.7544** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **48.9462, 70.5090, 95.0338**, and the grayscale version is **13.5656, 14.2721, 15.5423**.

A 20% lighter version of the original color is **49.0997, 33.6746, 14.7385**, and **17.9100, 9.2323, 0.8668** is the 20% darker color. If you saturate the color by 10%, you get **37.0732, 19.5439, 2.6185**, and if you desaturate by 10%, it is **40.0285, 23.8686, 8.4924**.

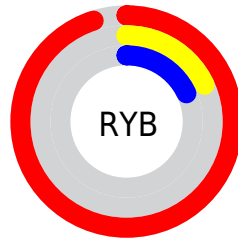
Distribution



Red (95%)

Green (18%)

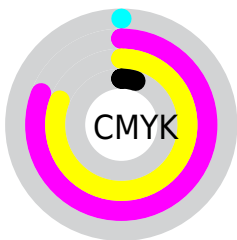
Blue (18%)



Red (95%)

Yellow (18%)

Blue (18%)

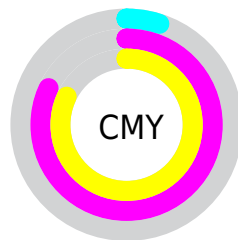


Cyan (0%)

Magenta (81%)

Yellow (81%)

Black (5%)



Cyan (5%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1476, 21.1155, 4.7544 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 38.1476, 21.1155, 4.7544 by changing the saturation by 10% instead.


 38.1476, 21.1155,
4.7544


 38.1476, 21.1155,
4.7544


329.5226,
257.8917, 156.2739


 26.2750, 13.2085,
2.0477

 71.6368, 45.2797,
15.7153


 17.1632, 7.5722,
0.5844


 93.9840, 62.3056,
24.8066


 10.4470, 3.8225,
0.0000


 120.5535, 83.1399,
36.8632

 5.7608, 1.5748,
0.0000

 151.7107,
108.1671, 52.3035

 2.7395, 0.3405,
0.0000

 187.8208,
137.7714, 71.5462

 1.0175, 0.0000,
0.0000

 229.2493,

 0.0000, 0.0000,

172.3374, 95.0099

0.0000

276.3614,
212.2493, 123.1129

■ 38.1476, 21.1155,
4.7544

■ 38.1476, 21.1155,
4.7544

■ 37.0732, 19.5439,
2.6185

■ 40.0285, 23.8686,
8.4924


■ 36.6180, 18.8776,
1.7138


■ 42.8311, 27.9697,
14.0634


■ 46.6535, 33.5631,
21.6618

■ 51.5809, 40.7733,
31.4570

■ 57.6895, 49.7120,
43.6007

 65.0489, 60.4809,
58.2311

 73.7233, 73.1739,
75.4756

 83.7723, 87.8783,
95.4531

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



42.9306, 21.1155, 19.3722



38.1476, 21.1155, 4.7544



28.5768, 21.1155, 0.9664

Triad

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



38.1476, 21.1155, 4.7544



8.1023, 21.1155, 7.4699



21.4360, 21.1155, 117.2315

Complementary

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



38.1476, 21.1155, 4.7544



48.9462, 70.5090, 95.0338

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.



13.4444, 21.1155, 103.7138



38.1476, 21.1155, 4.7544



7.2296, 21.1155, 27.0350

Square

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



38.1476, 21.1155, 4.7544



11.7490, 21.1155, 1.5068



8.8544, 21.1155, 64.2644



31.6078, 21.1155, 93.6114

Rectangle

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



38.1476, 21.1155, 4.7544



21.8180, 21.1155, 0.4039



8.8544, 21.1155, 64.2644



18.4173, 21.1155, 116.9619

Sweetspot

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



38.1481, 21.1168, 4.7547



70.2036, 63.6430, 59.5054



53.6612, 27.3210, 86.4492



14.3958, 12.6994, 11.4829



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.



38.1481, 21.1168, 4.7547



41.3652, 21.4433, 2.1785



47.1800, 39.1807, 7.7653



15.7730, 15.7591, 16.3602



19.6716, 10.1414, 0.9207



1.6365, 0.8437, 0.0766

Inverse Universe

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



48.9462, 70.5090, 95.0338



53.8989, 78.7757, 106.9722



27.2484, 27.1134, 87.8012



16.2473, 17.9288, 20.3259



25.6641, 37.5524, 51.0236



2.1350, 3.1241, 4.2447

Previews

White Background



This preview shows how the XYZ color 38.1476, 21.1155, 4.7544 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 38.1476, 21.1155, 4.7544 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 38.1476, 21.1155, 4.7544

Background



This preview shows how black text looks on a background with the XYZ color 38.1476, 21.1155, 4.7544.



This preview shows how white text looks on a background with the XYZ color 38.1476, 21.1155,

4.7544.

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

38.1476, 21.1155, 4.7544

Protanopia

19.4788, 21.1839, 8.6925

Deuteranopia

21.5563, 21.2370, 4.1254



Tritanopia

38.1476, 21.1155, 4.7544

Trichromacy



Original Color

38.1476, 21.1155, 4.7544

Protanomaly

23.3414, 18.4194, 6.7399

Deuteranomaly

25.5563, 19.0799, 4.0049

Tritanomaly

38.1476, 21.1155, 4.7544

Monochromacy



Original Color

38.1476, 21.1155, 4.7544

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

18.2881, 13.9493, 10.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1476, 21.1155, 4.7544 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, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(242, 47, 47)  
}
```

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, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 47, 47) }
```

Border

The CSS property to change the border of an element to XYZ 38.1476, 21.1155, 4.7544 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, 47, 47) }
```


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

```
.border{ border-color:rgb(242, 47, 47) }
```

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

Here you see how a box with a 4 pixel rgb(242, 47, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(242, 47,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1476, 21.1155, 4.7544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 47, 47) }
```

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

```
.background{ background-color: rgb(242, 47,  
47) }
```

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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