

Converting Colors

XYZ(38.0692, 21.4113, 2.1582)

Have a look what the booklet for
XYZ(38.0692, 21.4113, 2.1582)
contains.

XYZ(38.1515, 21.4245, 2.1533)	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(38.1515, 21.4245,
2.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	F33301
RGB	243, 51, 1
RGB Percent	95%, 20%, 0%
CMY	0.0471, 0.7999, 0.9961
CMYK	0.00, 0.79, 1.00, 0.05
HSL	12°, 99%, 48%
HSV	12°, 100%, 95%
XYZ	38.1515, 21.4245, 2.1533
YIQ	102.7080, 130.4820, 25.1540

Conversions

Conversions Part 2

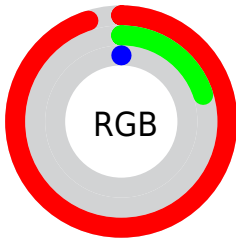
Format	Color
RYB	243, 64, 1
Decimal	15938305
CIELab	53.41, 69.65, 65.59
CIELCh	53, 95.669, 43.282
Yxy	21.4245, 0.6180, 0.3471
Android (android.graphics.Color)	4294128385 (0xFFFF33301)
YUV	102.7080, -50.1420, 123.0361
Hunter-Lab	46.2866, 66.1262, 29.6424

Details

The XYZ color **38.1515, 21.4245, 2.1533** 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 **35.2573, 44.6118, 91.5462**, and the grayscale version is **12.9210, 13.5939, 14.8037**.

A 20% lighter version of the original color is **48.0996, 33.6315, 8.3713**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **38.1119, 21.3546, 2.1131**, and if you desaturate by 10%, it is **39.3493, 23.5433, 3.4074**.

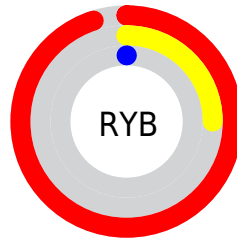
Distribution



Red (95%)

Green (20%)

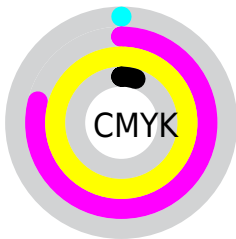
Blue (0%)



Red (95%)

Yellow (25%)

Blue (0%)

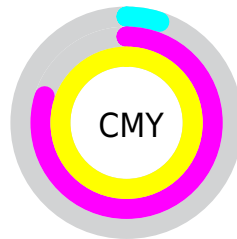


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1515, 21.4245, 2.1533 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 38.1515, 21.4245, 2.1533 by changing the saturation by 10% instead.


 38.1515, 21.4245,
2.1533


 38.1515, 21.4245,
2.1533


329.5390,
259.5259, 124.7136


 26.2780, 13.4346,
0.6472


 71.6427, 45.7930,
9.4558


 17.1655, 7.7285,
0.0000


 93.9911, 62.9404,
16.1228


 10.4486, 3.9217,
0.0000


 120.5619, 83.9091,
25.3584

 5.7619, 1.6299,
0.0000

 151.7205,
109.0835, 37.5811

 2.7401, 0.3776,
0.0000

 187.8321,
138.8480, 53.2094

 1.0179, 0.0000,
0.0000


 229.2622,


 0.0000, 0.0000,


173.5869, 72.6619


0.0000


 276.3760,
213.6848, 96.3571

 38.1515, 21.4245,
2.1533


 38.1515, 21.4245,
2.1533


 38.1119, 21.3546,
2.1131

 39.3493, 23.5433,
3.4074

 41.1493, 26.5218,
5.9234

 43.6474, 30.4530,
10.0392

 46.9121, 35.4120,
15.9685

 51.0031, 41.4662,
23.8921

■ 55.9739, 48.6768,
33.9685

■ 61.8734, 57.1006,
46.3403

■ 68.7467, 66.7905,
61.1379

■ 76.6360, 77.7963,
78.4815

Harmonies

Analogous

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



45.9057, 21.4245, 12.6909



38.1515, 21.4245, 2.1533



26.5155, 21.4245, 0.0324

Triad

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



38.1515, 21.4245, 2.1533



6.7993, 21.4245, 10.6513



25.1889, 21.4245, 131.1251

Complementary

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



38.1515, 21.4245, 2.1533



35.2573, 44.6118, 91.5462

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.



15.2450, 21.4245, 128.3989



38.1515, 21.4245, 2.1533



6.6544, 21.4245, 38.6853

Square

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



38.1515, 21.4245, 2.1533



9.6923, 21.4245, 1.7042



9.1960, 21.4245, 86.5439



36.9063, 21.4245, 92.3550

Rectangle

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



38.1515, 21.4245, 2.1533



19.2655, 21.4245, 0.0000



9.1960, 21.4245, 86.5439



21.5022, 21.4245, 135.6160

Sweetspot

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



38.1520, 21.4258, 2.1536



68.6870, 63.2161, 50.9649



46.7780, 22.9984, 53.3668



14.0833, 12.6505, 9.6026



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.



38.1520, 21.4258, 2.1536



42.4995, 23.7789, 2.3498



51.4174, 47.9567, 6.5754



16.7765, 17.0372, 17.2019



20.9944, 11.8744, 1.1855



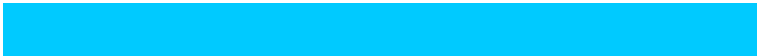
1.9159, 1.1850, 0.1278

Inverse Universe

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



35.2573, 44.6118, 91.5462



39.2411, 49.6021, 102.1137



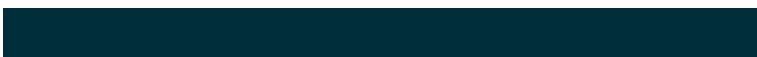
18.6125, 11.3222, 85.9979



16.6889, 18.1421, 21.1647



19.4185, 24.6309, 50.2688



1.7782, 2.3077, 4.4420

Previews

White Background



This preview shows how the XYZ color 38.1515, 21.4245, 2.1533 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 38.1515, 21.4245, 2.1533 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 38.1515, 21.4245, 2.1533

Background



This preview shows how black text looks on a background with the XYZ color 38.1515, 21.4245, 2.1533.



This preview shows how white text looks on a background with the XYZ color 38.1515, 21.4245,

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

38.1515, 21.4245, 2.1533

Protanopia

19.4425, 21.4563, 4.2792

Deuteranopia

21.8598, 21.6004, 3.0172



Tritanopia

38.5526, 21.3820, 4.8915

Trichromacy



Original Color

38.1515, 21.4245, 2.1533

Protanomaly

23.4971, 18.8647, 3.0189

Deuteranomaly

25.6687, 19.4421, 2.3998

Tritanomaly

38.3078, 21.3502, 3.3983

Monochromacy



Original Color

38.1515, 21.4245, 2.1533

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.4801, 13.6040, 6.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1515, 21.4245, 2.1533 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(243, 51, 1)` looks like.

```
.text, #text, p{  
    color:rgb(243, 51, 1)  
}
```

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(243, 51, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 51, 1) }
```

Border

The CSS property to change the border of an element to XYZ 38.1515, 21.4245, 2.1533 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(243, 51, 1) }
```


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

```
.border{ border-color:rgb(243, 51, 1) }
```

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

Here you see how a box with a 4 pixel rgb(243, 51, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 51, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 51, 1);  
box-shadow:4px 4px 4px 4px rgb(243, 51, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.1515, 21.4245, 2.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 51, 1) }
```

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

```
.background{ background-color: rgb(243, 51,  
1) }
```

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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