

Converting Colors

XYZ(38.2075, 21.2546, 4.9788)

Have a look what the booklet for
XYZ(38.2075, 21.2546, 4.9788)
contains.

XYZ(38.2706, 21.2956, 4.9991)	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(38.2706, 21.2956,
4.9991)**

Conversions

Conversions Part 1

Format	Color
Hex	F23131
RGB	242, 49, 49
RGB Percent	95%, 19%, 19%
CMY	0.0510, 0.8078, 0.8078
CMYK	0.00, 0.80, 0.80, 0.05
HSL	0°, 88%, 57%
HSV	0°, 80%, 95%
XYZ	38.2706, 21.2956, 4.9991
YIQ	106.7070, 115.0280, 40.9160

Conversions

Conversions Part 2

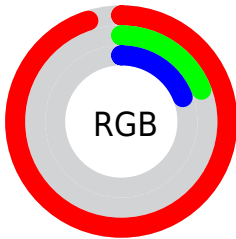
Format	Color
R_{YB}	242, 49, 49
Decimal	15872305
CIE _{Lab}	53.27, 70.63, 47.82
CIE _{LCh}	53, 85.295, 34.099
Yxy	21.2956, 0.5927, 0.3298
Android (android.graphics.Color)	4294062385 (0xFFFF23131)
YUV	106.7070, -28.4496, 118.6520
Hunter-Lab	46.1472, 67.2755, 25.8802

Details

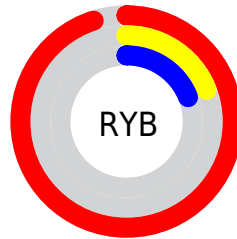
The XYZ color **38.2706, 21.2956, 4.9991** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **49.0404, 70.5576, 95.0380**, and the grayscale version is **13.9500, 14.6765, 15.9827**.

A 20% lighter version of the original color is **49.3028, 33.9333, 15.2605**, and **18.1479, 9.3537, 0.9351** is the 20% darker color. If you saturate the color by 10%, you get **37.1347, 19.6340, 2.7410**, and if you desaturate by 10%, it is **40.2236, 24.1542, 8.8805**.

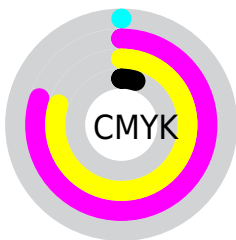
Distribution



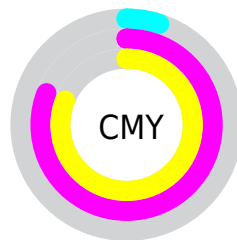
- Red (95%)
- Green (19%)
- Blue (19%)



- Red (95%)
- Yellow (19%)
- Blue (19%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (5%)





- Cyan (5%)
- Magenta (81%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2706, 21.2956, 4.9991 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 38.2706, 21.2956, 4.9991 by changing the saturation by 10% instead.


 38.2706, 21.2956,
4.9991


 38.2706, 21.2956,
4.9991


330.0402,
258.8453, 158.7560


 26.3709, 13.3402,
2.1880


 71.8239, 45.5790,
16.2553


 17.2355, 7.6633,
0.6674


 94.2083, 62.6758,
25.5375


 10.4989, 3.8802,
0.0000


 120.8183, 83.5886,
37.8138

 5.7957, 1.6068,
0.0000

 152.0193,
108.7016, 53.5028

 2.7608, 0.3622,
0.0000

 188.1766,
138.3995, 73.0229

 1.0285, 0.0000,
0.0000

 229.6557,

 0.0000, 0.0000,

173.0664, 96.7928

0.0000

276.8217,
213.0869, 125.2310

■ 38.2706, 21.2956,
4.9991

■ 38.2706, 21.2956,
4.9991

■ 37.1347, 19.6340,
2.7410

■ 40.2236, 24.1542,
8.8805

■ 36.6277, 18.8919,
1.7333


■ 43.1070, 28.3735,
14.6121


■ 36.6179, 18.8775,
1.7138

■ 47.0176, 34.0960,
22.3859


■ 52.0398, 41.4450,
32.3696

■ 58.2493, 50.5312,
44.7137

 65.7150, 61.4557,
59.5554

 74.5007, 74.3116,
77.0214

 84.6659, 89.1859,
97.2298

 90.4276, 97.6171,
108.6837

Harmonies

Analogous

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



42.9409, 21.2956, 19.8147



38.2706, 21.2956, 4.9991



28.8030, 21.2956, 1.0601

Triad

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



38.2706, 21.2956, 4.9991



8.3033, 21.2956, 7.5524



21.5061, 21.2956, 116.4173

Complementary

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



38.2706, 21.2956, 4.9991



49.0404, 70.5576, 95.0380

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.



13.5698, 21.2956, 102.7319



38.2706, 21.2956, 4.9991



7.4006, 21.2956, 26.9223

Square

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



38.2706, 21.2956, 4.9991



11.9904, 21.2956, 1.5820



9.0067, 21.2956, 63.6769



31.6060, 21.2956, 93.4483

Rectangle

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



38.2706, 21.2956, 4.9991



22.0772, 21.2956, 0.4897



9.0067, 21.2956, 63.6769



18.5092, 21.2956, 116.0183

Sweetspot

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



38.2711, 21.2969, 4.9994



70.2036, 63.6430, 59.5054



53.7429, 27.4845, 86.4762



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.



38.2711, 21.2969, 4.9994



41.4068, 21.5042, 2.2613



47.3740, 39.5027, 8.0337



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.



49.0404, 70.5576, 95.0380



53.9309, 78.7924, 106.9737



27.4955, 27.4676, 87.8563



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 38.2706, 21.2956, 4.9991 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 38.2706, 21.2956, 4.9991 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 38.2706, 21.2956, 4.9991

Background



This preview shows how black text looks on a background with the XYZ color 38.2706, 21.2956, 4.9991.



This preview shows how white text looks on a background with the XYZ color 38.2706, 21.2956,

4.9991.

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

38.2706, 21.2956, 4.9991

Protanopia

19.6717, 21.4687, 9.0683

Deuteranopia

21.8098, 21.3616, 4.4125



Tritanopia

38.2706, 21.2956, 4.9991

Trichromacy



Original Color

38.2706, 21.2956, 4.9991

Protanomaly

23.4905, 18.6297, 7.0604

Deuteranomaly

25.6936, 19.2781, 4.2863

Tritanomaly

38.2706, 21.2956, 4.9991

Monochromacy



Original Color

38.2706, 21.2956, 4.9991

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.7178, 14.3954, 10.5961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2706, 21.2956, 4.9991 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, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(242, 49, 49)  
}
```

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, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 49, 49) }
```

Border

The CSS property to change the border of an element to XYZ 38.2706, 21.2956, 4.9991 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, 49, 49) }
```


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

```
.border{ border-color:rgb(242, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(242, 49,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2706, 21.2956, 4.9991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 49, 49) }
```

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

```
.background{ background-color: rgb(242, 49,  
49) }
```

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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