

# Converting Colors

XYZ(38.3771, 21.0171, 4.3200)

Have a look what the booklet for  
XYZ(38.3771, 21.0171, 4.3200)  
contains.

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# Color

**XYZ(38.2621, 20.9569,  
4.3139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F32B2B
RGB	243, 43, 43
RGB Percent	95%, 17%, 17%
CMY	0.0471, 0.8313, 0.8314
CMYK	0.00, 0.82, 0.82, 0.05
HSL	0°, 89%, 56%
HSV	0°, 82%, 95%
XYZ	38.2621, 20.9569, 4.3139
YIQ	102.8000, 119.2000, 42.4000

# Conversions

## Conversions Part 2

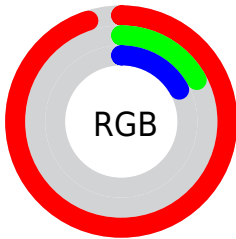
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 43, 43
Decimal	15936299
CIE Lab	52.90, 72.19, 50.62
CIE LCh	53, 88.170, 35.034
Yxy	20.9569, 0.6022, 0.3299
Android (android.graphics.Color)	4294126379 (0xFFFF32B2B)
YUV	102.8000, -29.4814, 122.9554
Hunter-Lab	45.7787, 69.0786, 26.4580

# Details

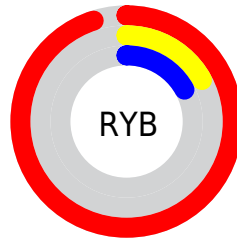
The XYZ color **38.2621, 20.9569, 4.3139** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **49.2182, 71.0733, 95.9179**, and the grayscale version is **12.8951, 13.5666, 14.7740**.

A 20% lighter version of the original color is **48.7043, 33.1672, 13.7324**, and **18.1315, 9.3471, 0.8485** is the 20% darker color. If you saturate the color by 10%, you get **37.3051, 19.5570, 2.4114**, and if you desaturate by 10%, it is **40.0101, 23.5156, 7.7877**.

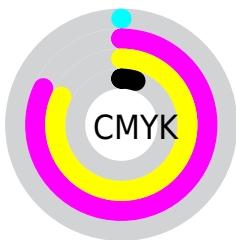
# Distribution



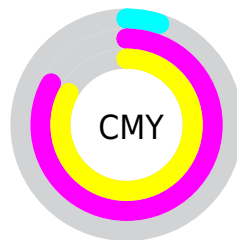
- Red (95%)
- Green (17%)
- Blue (17%)



- Red (95%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (5%)




- Cyan (5%)
- Magenta (83%)
- Yellow (83%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2621, 20.9569, 4.3139 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 38.2621, 20.9569, 4.3139 by changing the saturation by 10% instead.





 38.2621, 20.9569,  
4.3139


 38.2621, 20.9569,  
4.3139

330.0044,  
257.0494, 151.6530


 26.3643, 13.0925,  
1.7991


 71.8110, 45.0158,  
14.7275


 17.2305, 7.4923,  
0.4273


 94.1928, 61.9791,  
23.4633


 10.4953, 3.7718,  
0.0000


 120.8000, 82.7441,  
35.1099

 5.7933, 1.5468,  
0.0000

 151.9980,  
107.6953, 50.0858

 2.7593, 0.3213,  
0.0000

 188.1521,  
137.2170, 68.8095

 1.0278, 0.0000,  
0.0000

 229.6276,

 0.0000, 0.0000,

171.6937, 91.6995

0.0000

276.7899,  
211.5096, 119.1745

■ 38.2621, 20.9569,  
4.3139

■ 38.2621, 20.9569,  
4.3139

■ 37.3051, 19.5570,  
2.4114

■ 40.0101, 23.5156,  
7.7877


■ 36.9622, 19.0551,  
1.7299


■ 42.6701, 27.4081,  
13.0751


■ 46.3438, 32.7839,  
20.3778


■ 51.1191, 39.7716,  
29.8707

■ 57.0745, 48.4860,  
41.7097

 64.2812, 59.0314,  
56.0364

 72.8049, 71.5039,  
72.9815

 82.7066, 85.9927,  
92.6664

 90.7719, 97.7946,  
108.6998

# Harmonies

## Analogous

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



43.3322, 20.9569, 18.6442



38.2621, 20.9569, 4.3139



28.3842, 20.9569, 0.7886

# Triad

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



38.2621, 20.9569, 4.3139



7.7763, 20.9569, 7.3903



21.5165, 20.9569, 120.0696

# Complementary

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



38.2621, 20.9569, 4.3139



49.2182, 71.0733, 95.9179

# 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.



13.3302, 20.9569, 106.8199



38.2621, 20.9569, 4.3139



6.9579, 20.9569, 27.5735

# Square

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



38.2621, 20.9569, 4.3139



11.3718, 20.9569, 1.3775



8.6378, 20.9569, 66.1770



31.9373, 20.9569, 94.8231



# Rectangle

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



38.2621, 20.9569, 4.3139



21.4943, 20.9569, 0.2357



8.6378, 20.9569, 66.1770



18.4224, 20.9569, 120.0856

# Sweetspot

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



38.2626, 20.9582, 4.3142



69.3583, 62.4062, 57.8246



54.0033, 27.2533, 87.2076



14.2343, 12.4631, 11.1617



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.



38.2626, 20.9582, 4.3142



41.2819, 21.3215, 2.0129



47.2204, 38.8738, 7.3001



16.4993, 16.4828, 17.1095



20.2864, 10.4583, 0.9494



1.7830, 0.9193, 0.0835



# Inverse Universe

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



49.2182, 71.0733, 95.9179



53.8338, 78.7402, 106.9688



26.9962, 26.6295, 88.5106



16.9966, 18.7575, 21.2673



26.4655, 38.7247, 52.6178



2.3261, 3.4036, 4.6246



# Previews

## White Background



This preview shows how the XYZ color 38.2621, 20.9569, 4.3139 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 38.2621, 20.9569, 4.3139 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 38.2621, 20.9569, 4.3139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2621, 20.9569, 4.3139.



This preview shows how white text looks on a background with the XYZ color 38.2621, 20.9569,

4.3139.

# 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

38.2621, 20.9569, 4.3139

### Protanopia

19.3587, 21.1358, 8.0603

### Deuteranopia

21.3585, 20.9645, 3.6799



## Tritanopia

38.2439, 20.9496, 4.2185

# Trichromacy



## Original Color

38.2621, 20.9569, 4.3139

## Protanomaly

23.0529, 18.0083, 6.1318

## Deuteranomaly

25.2967, 18.6952, 3.5035

## Tritanomaly

38.2439, 20.9496, 4.2185

# Monochromacy



## Original Color

38.2621, 20.9569, 4.3139

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

17.7541, 13.3490, 9.4254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2621, 20.9569, 4.3139 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, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(243, 43, 43)  
}
```

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, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 43, 43) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2621, 20.9569, 4.3139 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, 43, 43) }
```



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

```
.border{ border-color:rgb(243, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(243, 43,  
43) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2621, 20.9569, 4.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 43, 43) }
```

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

```
.background{ background-color: rgb(243, 43,  
43) }
```

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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