

Converting Colors

XYZ(38.5979, 23.1503, 5.2239)

Have a look what the booklet for
XYZ(38.5979, 23.1503, 5.2239)
contains.

XYZ(38.7219, 23.2451, 5.2422)	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(38.7219, 23.2451,
5.2422)**

Conversions

Conversions Part 1

Format	Color
Hex	F04730
RGB	240, 71, 48
RGB Percent	94%, 28%, 19%
CMY	0.0588, 0.7215, 0.8118
CMYK	0.00, 0.70, 0.80, 0.06
HSL	7°, 86%, 56%
HSV	7°, 80%, 94%
XYZ	38.7219, 23.2451, 5.2422
YIQ	118.9090, 108.1070, 28.6750

Conversions

Conversions Part 2

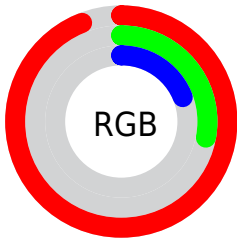
Format	Color
R_{YB}	240, 74, 48
Decimal	15746864
CIE _{Lab}	55.32, 63.23, 50.21
CIE _{LCh}	55, 80.743, 38.455
Yxy	23.2451, 0.5761, 0.3459
Android (android.graphics.Color)	4293936944 (0xFFFF04730)
YUV	118.9090, -34.9581, 106.1968
Hunter-Lab	48.2132, 58.9873, 27.3026

Details

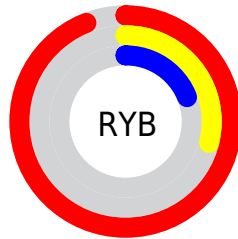
The XYZ color **38.7219, 23.2451, 5.2422** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.7570, 56.5396, 91.1499**, and the grayscale version is **17.5903, 18.5064, 20.1534**.

A 20% lighter version of the original color is **51.2479, 37.8236, 15.9089**, and **17.6792, 9.1140, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **37.2356, 20.8627, 2.9286**, and if you desaturate by 10%, it is **40.9435, 26.6708, 9.1211**.

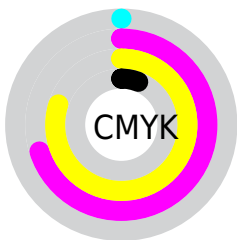
Distribution



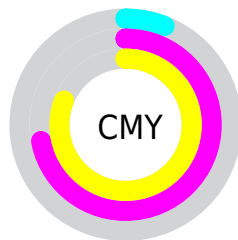
- Red (94%)
- Green (28%)
- Blue (19%)



- Red (94%)
- Yellow (29%)
- Blue (19%)



- Cyan (0%)
- Magenta (70%)
- Yellow (80%)
- Black (6%)





- Cyan (6%)
- Magenta (72%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7219, 23.2451, 5.2422 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 38.7219, 23.2451, 5.2422 by changing the saturation by 10% instead.


 38.7219, 23.2451,
5.2422


 38.7219, 23.2451,
5.2422


331.9342,
268.9814, 161.1674


 26.7232, 14.7746,
2.3288


 72.5101, 48.7955,
16.7861


 17.5010, 8.6613,
0.7473


 95.0303, 66.6441,
26.2538

 10.6898, 4.5210,
0.0000


 121.7883, 88.3876,
38.7433

 5.9244, 1.9690,
0.0000

 153.1496,
114.4103, 54.6732

 2.8394, 0.5894,
0.0000

 189.4795,
145.0967, 74.4620

 1.0694, 0.0000,
0.0000

 231.1433,

 0.0000, 0.0000,

180.8310, 98.5283

0.0000

278.5065,
221.9978, 127.2906

■ 38.7219, 23.2451,
5.2422

■ 38.7219, 23.2451,
5.2422

■ 37.2356, 20.8627,
2.9286

■ 40.9435, 26.6708,
9.1211

■ 36.3685, 19.3924,
1.8263


■ 43.9803, 31.2378,
14.7780


■ 36.3685, 19.3923,
1.8263


■ 47.9032, 37.0373,
22.3937


■ 52.7747, 44.1502,
32.1262

■ 58.6519, 52.6504,
44.1174

 65.5871, 62.6063,
58.4970

 73.6290, 74.0818,
75.3847

 82.8234, 87.1368,
94.8923

 89.7449, 97.2651,
108.6517

Harmonies

Analogous

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



44.1731, 23.2451, 18.6645



38.7219, 23.2451, 5.2422



29.1229, 23.2451, 1.4931

Triad

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



38.7219, 23.2451, 5.2422



9.5354, 23.2451, 11.0613



24.7534, 23.2451, 113.5840

Complementary

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



38.7219, 23.2451, 5.2422



41.7570, 56.5396, 91.1499

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.



16.2978, 23.2451, 105.7673



38.7219, 23.2451, 5.2422



8.9608, 23.2451, 33.3708

Square

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



38.7219, 23.2451, 5.2422



12.9397, 23.2451, 2.9022



11.0731, 23.2451, 70.6988



34.7844, 23.2451, 87.8664

Rectangle

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



38.7219, 23.2451, 5.2422



22.5664, 23.2451, 1.0271



11.0731, 23.2451, 70.6988



21.6277, 23.2451, 115.0149

Sweetspot

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



38.7224, 23.2465, 5.2426



71.8732, 66.9822, 60.0620



49.5944, 25.6801, 68.3980



14.7832, 13.4742, 11.6121



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.



38.7224, 23.2465, 5.2426



42.0392, 22.7690, 2.4720



50.1775, 46.1566, 9.0609



15.9254, 16.0639, 16.4110



19.9585, 10.7150, 1.0163



1.7095, 0.9896, 0.1009

Inverse Universe

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



41.7570, 56.5396, 91.1499



45.2821, 61.4946, 104.0908



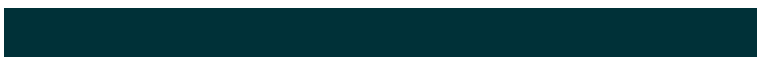
23.8576, 20.7408, 85.1834



16.0763, 17.5866, 20.2689



21.4591, 29.1425, 49.6219



1.8304, 2.5148, 4.1431

Previews

White Background



This preview shows how the XYZ color 38.7219, 23.2451, 5.2422 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 38.7219, 23.2451, 5.2422 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 38.7219, 23.2451, 5.2422

Background



This preview shows how black text looks on a background with the XYZ color 38.7219, 23.2451, 5.2422.



This preview shows how white text looks on a background with the XYZ color 38.7219, 23.2451,

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

38.7219, 23.2451, 5.2422

Protanopia

21.3743, 23.3598, 8.3834

Deuteranopia

23.6717, 23.2470, 4.6783



Tritanopia

39.4801, 23.2899, 8.3758

Trichromacy



Original Color

38.7219, 23.2451, 5.2422

Protanomaly

25.4214, 21.2914, 6.9075

Deuteranomaly

27.7520, 21.9173, 4.6015

Tritanomaly

39.3010, 23.3159, 7.1317

Monochromacy



Original Color

38.7219, 23.2451, 5.2422

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.8314, 18.0796, 12.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7219, 23.2451, 5.2422 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, 71, 48)` looks like.

```
.text, #text, p{  
    color:rgb(240, 71, 48)  
}
```

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, 71, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 71, 48) }
```

Border

The CSS property to change the border of an element to XYZ 38.7219, 23.2451, 5.2422 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, 71, 48) }
```


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

```
.border{ border-color:rgb(240, 71, 48) }
```

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

Here you see how a box with a 4 pixel rgb(240, 71, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 71, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 71, 48);  
box-shadow:4px 4px 4px 4px rgb(240, 71,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7219, 23.2451, 5.2422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 71, 48) }
```

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

```
.background{ background-color: rgb(240, 71,  
48) }
```

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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