

Converting Colors

XYZ(42.4844, 23.3615, 3.5389)

Have a look what the booklet for
XYZ(42.4844, 23.3615, 3.5389)
contains.

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Color

**XYZ(42.5038, 23.3920,
3.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2F1F
RGB	255, 47, 31
RGB Percent	100%, 18%, 12%
CMY	0.0000, 0.8156, 0.8784
CMYK	0.00, 0.82, 0.88, 0.00
HSL	4°, 100%, 56%
HSV	4°, 88%, 100%
XYZ	42.5038, 23.3920, 3.5712
YIQ	107.3680, 129.1040, 39.1200

Conversions

Conversions Part 2

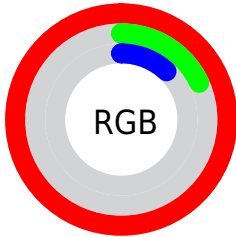
Format	Color
R_{YB}	255, 48, 31
Decimal	16723743
CIE _{Lab}	55.47, 74.28, 59.21
CIE _{LCh}	55, 94.990, 38.560
Yxy	23.3920, 0.6119, 0.3367
Android (android.graphics.Color)	4294913823 (0xFFFF2F1F)
YUV	107.3680, -37.6494, 129.4733
Hunter-Lab	48.3653, 72.2280, 29.4778

Details

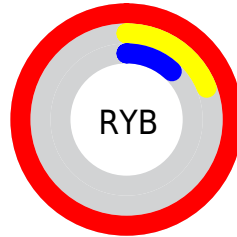
The XYZ color **42.5038, 23.3920, 3.5712** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **49.4750, 69.2315, 105.3622**, and the grayscale version is **14.1564, 14.8936, 16.2192**.

A 20% lighter version of the original color is **48.7053, 33.8738, 11.5607**, and **20.7390, 10.6914, 0.9706** is the 20% darker color. If you saturate the color by 10%, you get **41.5830, 21.8984, 2.1931**, and if you desaturate by 10%, it is **44.1998, 26.0183, 6.4983**.

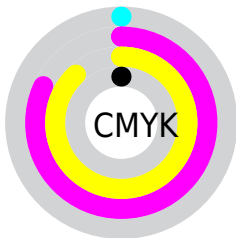
Distribution



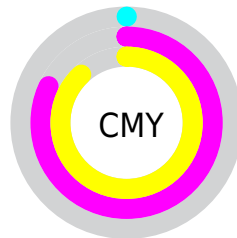
- Red (100%)
- Green (18%)
- Blue (12%)



- Red (100%)
- Yellow (19%)
- Blue (12%)



- Cyan (0%)
- Magenta (82%)
- Yellow (88%)
- Black (0%)





- Cyan (0%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5038, 23.3920, 3.5712 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 42.5038, 23.3920, 3.5712 by changing the saturation by 10% instead.

 42.5038, 23.3920,
3.5712


 42.5038, 23.3920,
3.5712


347.5234,
269.7320, 143.3329

 29.6888, 14.8832,
1.3932


 78.2219, 49.0362,
13.0081


 19.7494, 8.7375,
0.1364


 101.8558, 66.9404,
21.1040

 12.3202, 4.5703,
0.0000


 129.8266, 88.7452,
32.0097

 7.0359, 1.9974,
0.0000

 162.4998,
114.8350, 46.1436

 3.5311, 0.6060,
0.0000

 200.2408,
145.5942, 63.9244


 1.4404, 0.0000,
0.0000

 243.4148,


 0.2848, 0.0000,


181.4072, 85.7705


0.0000


 292.3872,
222.6583, 112.1005


 0.0000, 0.0000,
0.0000


 42.5038, 23.3920,
3.5712


 42.5038, 23.3920,
3.5712


 41.5830, 21.8984,
2.1931


 44.1998, 26.0183,
6.4983

 41.4598, 21.7002,
2.0034

 46.7986, 29.9410,
11.2953

 50.4041, 35.3004,
18.2054

 55.1055, 42.2177,
27.4348

 60.9820, 50.8011,
39.1654

68.1057, 61.1492,
53.5608

76.5426, 73.3529,
70.7709

86.3544, 87.4968,
90.9343

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



49.4009, 23.3920, 17.6703



42.5038, 23.3920, 3.5712



30.6297, 23.3920, 0.5053

Triad

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



42.5038, 23.3920, 3.5712



8.0590, 23.3920, 9.4372



25.4373, 23.3920, 139.3881

Complementary

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



42.5038, 23.3920, 3.5712



49.4750, 69.2315, 105.3622

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.



15.5315, 23.3920, 129.0362



42.5038, 23.3920, 3.5712



7.4671, 23.3920, 35.2814

Square

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



42.5038, 23.3920, 3.5712



11.7199, 23.3920, 1.5966



9.7175, 23.3920, 82.6499



37.6745, 23.3920, 104.8644

Rectangle

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



42.5038, 23.3920, 3.5712



22.7541, 23.3920, 0.0478



9.7175, 23.3920, 82.6499



21.7207, 23.3920, 141.3774

Sweetspot

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



42.5043, 23.3935, 3.5715



69.5606, 63.2567, 56.5171



57.4675, 28.5350, 84.9682



14.3116, 12.7030, 10.9247



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.



42.5043, 23.3935, 3.5715



41.4602, 21.7004, 2.0034



53.7024, 45.7896, 7.3042



18.1137, 18.1955, 18.7017



21.7015, 11.4143, 1.0594



2.1476, 1.1806, 0.1147

Inverse Universe

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



49.4750, 69.2315, 105.3622



48.2653, 67.6506, 105.1218



26.3428, 22.9670, 97.6515



18.4371, 20.2458, 23.1860



25.2668, 35.4431, 54.9441



2.4921, 3.5149, 5.3604

Previews

White Background



This preview shows how the XYZ color 42.5038, 23.3920, 3.5712 looks on a white background.

Color Contrast Check

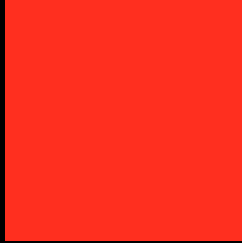
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5038, 23.3920, 3.5712 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 42.5038, 23.3920, 3.5712

Background



This preview shows how black text looks on a background with the XYZ color 42.5038, 23.3920, 3.5712.



This preview shows how white text looks on a background with the XYZ color 42.5038, 23.3920,

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

42.5038, 23.3920, 3.5712

Protanopia

21.3795, 23.4036, 6.5225

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

42.6906, 23.4035, 4.7499

Trichromacy



Original Color

42.5038, 23.3920, 3.5712

Protanomaly

25.9450, 20.3760, 4.9484

Deuteranomaly

28.1545, 20.8529, 2.8577

Tritanomaly

42.6000, 23.3672, 4.2725

Monochromacy



Original Color

42.5038, 23.3920, 3.5712

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

19.3577, 14.6386, 9.2024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5038, 23.3920, 3.5712 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(255, 47, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 31)  
}
```

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(255, 47, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 31) }
```

Border

The CSS property to change the border of an element to XYZ 42.5038, 23.3920, 3.5712 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(255, 47, 31) }
```


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

```
.border{ border-color:rgb(255, 47, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 47, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5038, 23.3920, 3.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 31) }
```

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

```
.background{ background-color: rgb(255, 47,  
31) }
```

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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