

Converting Colors

XYZ(42.8818, 23.9850, 5.9839)

Have a look what the booklet for
XYZ(42.8818, 23.9850, 5.9839)
contains.

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Color

**XYZ(42.8818, 23.9850,
5.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	FE3637
RGB	254, 54, 55
RGB Percent	100%, 21%, 22%
CMY	0.0039, 0.7882, 0.7843
CMYK	0.00, 0.79, 0.78, 0.00
HSL	360°, 99%, 60%
HSV	360°, 79%, 100%
XYZ	42.8818, 23.9850, 5.9839
YIQ	113.9140, 118.8790, 42.7110

Conversions

Conversions Part 2

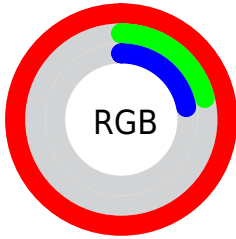
Format	Color
R_{YB}	254, 54, 55
Decimal	16660023
CIE _{Lab}	56.07, 72.83, 48.22
CIE _{LCh}	56, 87.346, 33.512
Yxy	23.9850, 0.5886, 0.3292
Android (android.graphics.Color)	4294850103 (0xFFFE3637)
YUV	113.9140, -29.0446, 122.8554
Hunter-Lab	48.9745, 70.5883, 27.0378

Details

The XYZ color **42.8818, 23.9850, 5.9839** 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 **54.6959, 78.7607, 105.2612**, and the grayscale version is **16.0301, 16.8649, 18.3658**.

A 20% lighter version of the original color is **50.1666, 35.1961, 16.9814**, and **20.7938, 10.7133, 1.2591** is the 20% darker color. If you saturate the color by 10%, you get **41.5336, 22.0231, 3.2718**, and if you desaturate by 10%, it is **45.1571, 27.3063, 10.5336**.

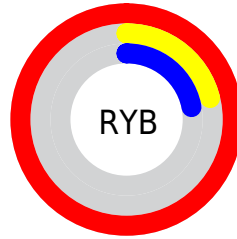
Distribution



Red (100%)

Green (21%)

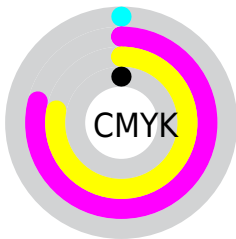
Blue (22%)



Red (100%)

Yellow (21%)

Blue (22%)

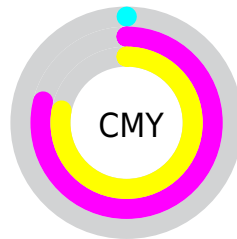


Cyan (0%)

Magenta (79%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8818, 23.9850, 5.9839 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 42.8818, 23.9850, 5.9839 by changing the saturation by 10% instead.

 42.8818, 23.9850,
5.9839


 42.8818, 23.9850,
5.9839


349.0552,
272.7446, 168.2285


 29.9865, 15.3225,
2.7667


 78.7893, 50.0057,
18.3746


 19.9764, 9.0460,
0.9768


 102.5322, 68.1327,
28.3851


 12.4860, 4.7712,
0.0000


 130.6217, 90.1834,
41.4971

 7.1501, 2.1137,
0.0000

 163.4231,
116.5420, 58.1291

 3.6033, 0.6723,
0.0000

 201.3018,
147.5931, 78.6997

 1.4803, 0.0000,
0.0000

 244.6231,

 0.3124, 0.0000,

183.7209, 103.6275

0.0000

293.7525,
225.3100, 133.3309

■ 0.0000, 0.0000,
0.0000

■ 42.8818, 23.9850,
5.9839

■ 42.8818, 23.9850,
5.9839

■ 41.5336, 22.0231,
3.2718

■ 45.1571, 27.3063,
10.5336

■ 40.9320, 21.1503,
2.0529

■ 48.4839, 32.1679,
17.1672

■ 40.8796, 21.0734,
1.9488

■ 52.9692, 38.7278,
26.0943

■ 58.7064, 47.1230,
37.4988

■ 65.7792, 57.4770,
51.5458

74.2644, 69.9022,
68.3863

84.2328, 84.5028,
88.1599

94.6827, 99.8107,
108.8828

Harmonies

Analogous

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



47.8800, 23.9850, 22.8855



42.8818, 23.9850, 5.9839



32.4939, 23.9850, 1.3323

Triad

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



42.8818, 23.9850, 5.9839



9.5542, 23.9850, 8.4491



23.9952, 23.9850, 128.6654

Complementary

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



42.8818, 23.9850, 5.9839



54.6959, 78.7607, 105.2612

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.



15.2511, 23.9850, 112.9167



42.8818, 23.9850, 5.9839



8.4865, 23.9850, 29.6361

Square

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



42.8818, 23.9850, 5.9839



13.7433, 23.9850, 1.8522



10.2292, 23.9850, 69.8462



35.1468, 23.9850, 104.1987

Rectangle

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



42.8818, 23.9850, 5.9839



25.0397, 23.9850, 0.6915



10.2292, 23.9850, 69.8462



20.6924, 23.9850, 127.9449

Sweetspot

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



42.8823, 23.9865, 5.9842



70.2363, 63.6542, 59.6830



58.8727, 30.2429, 96.4997



14.4034, 12.7020, 11.5239



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.



42.8823, 23.9865, 5.9842



41.5122, 21.6490, 2.4999



52.5534, 43.3660, 9.0928



18.0131, 17.9885, 18.6859



21.5539, 11.1109, 1.0356



2.0998, 1.0823, 0.1072

Inverse Universe

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



42.8823, 23.9865, 5.9842



41.5122, 21.6490, 2.4999



31.5263, 32.1701, 98.3130



18.0131, 17.9885, 18.6859



21.5539, 11.1109, 1.0356



2.0998, 1.0823, 0.1072

Previews

White Background



This preview shows how the XYZ color 42.8818, 23.9850, 5.9839 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



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 42.8818, 23.9850, 5.9839

Background



This preview shows how black text looks on a background with the XYZ color 42.8818, 23.9850, 5.9839.



This preview shows how white text looks on a background with the XYZ color 42.8818, 23.9850,

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

42.8818, 23.9850, 5.9839

Protanopia

22.2519, 24.1739, 10.7010

Deuteranopia

24.4476, 24.0198, 5.2672



Tritanopia

42.8818, 23.9850, 5.9839

Trichromacy



Original Color

42.8818, 23.9850, 5.9839

Protanomaly

26.7530, 21.3151, 8.4985

Deuteranomaly

28.9468, 21.7762, 5.1602

Tritanomaly

42.8818, 23.9850, 5.9839

Monochromacy



Original Color

42.8818, 23.9850, 5.9839

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

21.3200, 16.4439, 12.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8818, 23.9850, 5.9839 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(254, 54, 55)` looks like.

```
.text, #text, p{  
    color:rgb(254, 54, 55)  
}
```

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(254, 54, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 54, 55) }
```

Border

The CSS property to change the border of an element to XYZ 42.8818, 23.9850, 5.9839 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(254, 54, 55) }
```


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

```
.border{ border-color:rgb(254, 54, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 54, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 54, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 54, 55);  
box-shadow:4px 4px 4px 4px rgb(254, 54,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8818, 23.9850, 5.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 54, 55) }
```

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

```
.background{ background-color: rgb(254, 54,  
55) }
```

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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