

Converting Colors

XYZ(42.2872, 23.8992, 2.3842)

Have a look what the booklet for
XYZ(42.2872, 23.8992, 2.3842)
contains.

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Color

**XYZ(42.2872, 23.8992,
2.3842)**

Conversions

Conversions Part 1

Format	Color
Hex	FE3800
RGB	254, 56, 0
RGB Percent	100%, 22%, 0%
CMY	0.0039, 0.7803, 1.0000
CMYK	0.00, 0.78, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.2872, 23.8992, 2.3842
YIQ	108.8180, 135.9840, 24.5600

Conversions

Conversions Part 2

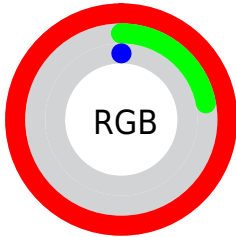
Format	Color
R_{YB}	254, 72, 0
Decimal	16660480
CIE _{Lab}	55.99, 71.42, 68.16
CIE _{LCh}	56, 98.724, 43.664
Yxy	23.8992, 0.6167, 0.3485
Android (android.graphics.Color)	4294850560 (0xFFFE3800)
YUV	108.8180, -53.6473, 127.3246
Hunter-Lab	48.8868, 68.8510, 31.3292

Details

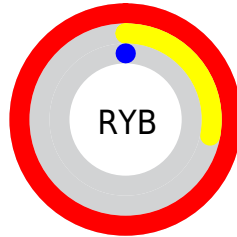
The XYZ color **42.2872, 23.8992, 2.3842** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **38.0795, 47.5363, 100.9335**, and the grayscale version is **14.6067, 15.3674, 16.7351**.

A 20% lighter version of the original color is **48.7063, 34.8015, 8.7077**, and **20.4935, 10.5648, 0.9591** is the 20% darker color. If you saturate the color by 10%, you get **42.2876, 23.9005, 2.3845**, and if you desaturate by 10%, it is **43.6243, 26.2861, 3.7171**.

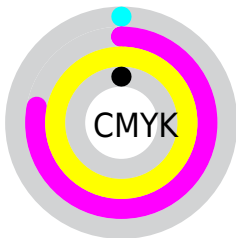
Distribution



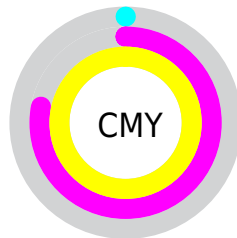
- Red (100%)
- Green (22%)
- Blue (0%)



- Red (100%)
- Yellow (28%)
- Blue (0%)



- Cyan (0%)
- Magenta (78%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (78%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2872, 23.8992, 2.3842 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 42.2872, 23.8992, 2.3842 by changing the saturation by 10% instead.


 42.2872, 23.8992,
2.3842

 42.2872, 23.8992,
2.3842

346.6435,
272.3105, 128.0832


 29.5183, 15.2589,
0.7778


 77.8965, 49.8657,
10.0668


 19.6195, 9.0013,
0.0000


 101.4677, 67.9606,
16.9919


 12.2254, 4.7420,
0.0000


 129.3704, 89.9758,
26.5309

 6.9707, 2.0967,
0.0000

 161.9699,
116.2957, 39.1023

 3.4899, 0.6628,
0.0000

 199.6316,
147.3048, 55.1247


 1.4178, 0.0000,
0.0000


 242.7209,


 0.2689, 0.0000,


183.3873, 75.0166


0.0000


 291.6031,
224.9278, 99.1966


 0.0000, 0.0000,
0.0000


 42.2872, 23.8992,
2.3842


 42.2872, 23.8992,
2.3842


 42.2876, 23.9005,
2.3845

 43.6243, 26.2861,
3.7171

 45.6136, 29.6034,
6.4190

 48.3621, 33.9510,
10.8785

 51.9446, 39.4089,
17.3359

 56.4264, 46.0487,
25.9935

61.8656, 53.9358,
37.0284

68.3155, 63.1307,
50.5998

75.8251, 73.6899,
66.8528

84.4403, 85.6663,
85.9218

Harmonies

Analogous

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



50.9686, 23.8992, 13.9369



42.2872, 23.8992, 2.3842



29.3759, 23.8992, 0.1252

Triad

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



42.2872, 23.8992, 2.3842



7.6150, 23.8992, 12.1728



28.2321, 23.8992, 145.0113

Complementary

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



42.2872, 23.8992, 2.3842



38.0795, 47.5363, 100.9335

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.



17.1465, 23.8992, 142.6689



42.2872, 23.8992, 2.3842



7.4894, 23.8992, 43.6202

Square

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



42.2872, 23.8992, 2.3842



10.7932, 23.8992, 1.9919



10.3638, 23.8992, 96.7502



41.2147, 23.8992, 101.7468

Rectangle

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



42.2872, 23.8992, 2.3842



21.3578, 23.8992, 0.0000



10.3638, 23.8992, 96.7502



24.1295, 23.8992, 150.1971

Sweetspot

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



42.2877, 23.9007, 2.3845



68.9245, 63.6912, 51.0441



51.1776, 25.1926, 56.1776



14.1380, 12.7600, 9.6208



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.



42.2877, 23.9007, 2.3845



42.6657, 24.1113, 2.4052



57.6074, 54.5401, 7.4911



18.3341, 18.6365, 18.7752



22.3831, 12.7774, 1.2866



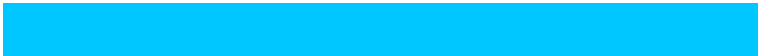
2.2560, 1.3973, 0.1508

Inverse Universe

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



38.0795, 47.5363, 100.9335



38.4190, 47.9580, 101.8397



20.2045, 11.7863, 94.9751



18.1950, 19.7617, 23.1054



20.1904, 25.2904, 53.2520



2.0457, 2.6222, 5.2116

Previews

White Background



This preview shows how the XYZ color 42.2872, 23.8992, 2.3842 looks on a white background.

Color Contrast Check

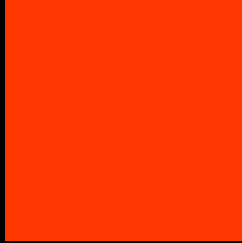
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2872, 23.8992, 2.3842 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 42.2872, 23.8992, 2.3842

Background



This preview shows how black text looks on a background with the XYZ color 42.2872, 23.8992, 2.3842.



This preview shows how white text looks on a background with the XYZ color 42.2872, 23.8992,

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

42.2872, 23.8992, 2.3842

Protanopia

21.6608, 24.0010, 4.7193

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

43.1557, 24.0632, 5.7383

Trichromacy



Original Color

42.2872, 23.8992, 2.3842

Protanomaly

26.0106, 21.0465, 3.3076

Deuteranomaly

28.8388, 21.9202, 2.7111

Tritanomaly

42.8479, 24.0138, 3.8902

Monochromacy



Original Color

42.2872, 23.8992, 2.3842

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

19.6306, 15.4234, 7.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2872, 23.8992, 2.3842 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 56, 0)  
}
```

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, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.2872, 23.8992, 2.3842 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, 56, 0) }
```


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

```
.border{ border-color:rgb(254, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.2872, 23.8992, 2.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 56, 0) }
```

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

```
.background{ background-color: rgb(254, 56,  
0) }
```

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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