

Converting Colors

XYZ(40.8509, 23.2418, 2.3315)

Have a look what the booklet for
XYZ(40.8509, 23.2418, 2.3315)
contains.

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Color

**XYZ(40.8875, 23.2502,
2.3327)**

Conversions

Conversions Part 1

Format	Color
Hex	FA3900
RGB	250, 57, 0
RGB Percent	98%, 22%, 0%
CMY	0.0196, 0.7764, 1.0000
CMYK	0.00, 0.77, 1.00, 0.02
HSL	14°, 100%, 49%
HSV	14°, 100%, 98%
XYZ	40.8875, 23.2502, 2.3327
YIQ	108.2090, 133.3250, 23.1890

Conversions

Conversions Part 2

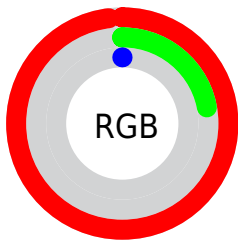
Format	Color
RYB	250, 74, 0
Decimal	16398592
CIELab	55.33, 69.99, 67.43
CIELCh	55, 97.192, 43.934
Yxy	23.2502, 0.6151, 0.3498
Android (android.graphics.Color)	4294588672 (0xFFFA3900)
YUV	108.2090, -53.3470, 124.3507
Hunter-Lab	48.2185, 66.9792, 30.8846

Details

The XYZ color **40.8875, 23.2502, 2.3327** 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 **36.3221, 45.0358, 97.2203**, and the grayscale version is **14.4335, 15.1851, 16.5366**.

A 20% lighter version of the original color is **48.7063, 34.8015, 8.7077**, and **19.5284, 10.0673, 0.9139** is the 20% darker color. If you saturate the color by 10%, you get **40.8879, 23.2515, 2.3330**, and if you desaturate by 10%, it is **42.2057, 25.6063, 3.6378**.

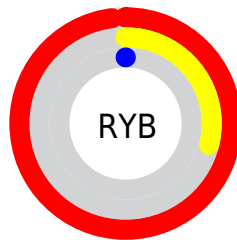
Distribution



Red (98%)

Green (22%)

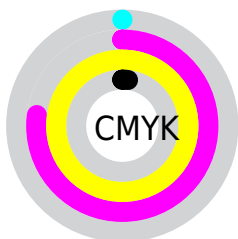
Blue (0%)



Red (98%)

Yellow (29%)

Blue (0%)

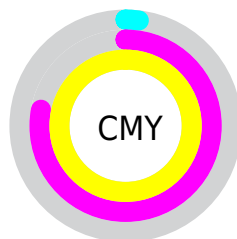


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8875, 23.2502, 2.3327 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 40.8875, 23.2502, 2.3327 by changing the saturation by 10% instead.


 40.8875, 23.2502,
2.3327


 40.8875, 23.2502,
2.3327


340.9208,
269.0075, 127.3461


 28.4185, 14.7784,
0.7495


 75.7889, 48.8038,
9.9319


 18.7834, 8.6640,
0.0000


 98.9519, 66.6544,
16.8005

 11.6170, 4.5227,
0.0000


 126.4104, 88.4000,
26.2732

 6.5538, 1.9700,
0.0000

 158.5296,
114.4251, 38.7684

 3.2285, 0.5900,
0.0000

 195.6748,
145.1140, 54.7048

 1.2757, 0.0000,
0.0000

 238.2116,


 0.1649, 0.0000,


180.8510, 74.5008


0.0000


 286.5051,
222.0208, 98.5751


 0.0000, 0.0000,
0.0000


 40.8875, 23.2502,
2.3327


 40.8875, 23.2502,
2.3327


 40.8879, 23.2515,
2.3330

 42.2057, 25.6063,
3.6378

 44.1474, 28.8494,
6.2595

 46.8147, 33.0731,
10.5732

 50.2785, 38.3522,
16.8097

 54.6004, 44.7537,
25.1631

■ 59.8357, 52.3389,
35.8035

■ 66.0348, 61.1645,
48.8837

■ 73.2443, 71.2834,
64.5431

■ 81.5075, 82.7454,
82.9106

Harmonies

Analogous

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



49.3185, 23.2502, 13.4387



40.8875, 23.2502, 2.3327



28.4208, 23.2502, 0.1398

Triad

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



40.8875, 23.2502, 2.3327



7.4580, 23.2502, 12.0729



27.5390, 23.2502, 139.6782

Complementary

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



40.8875, 23.2502, 2.3327



36.3221, 45.0358, 97.2203

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.



16.7912, 23.2502, 137.8804



40.8875, 23.2502, 2.3327



7.3605, 23.2502, 42.6930

Square

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



40.8875, 23.2502, 2.3327



10.5140, 23.2502, 2.0250



10.1813, 23.2502, 93.9669



40.0617, 23.2502, 97.8054

Rectangle

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



40.8875, 23.2502, 2.3327



20.6919, 23.2502, 0.0000



10.1813, 23.2502, 93.9669



23.5677, 23.2502, 144.8128

Sweetspot

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



40.8880, 23.2516, 2.3330



69.0540, 63.9501, 51.0872



49.3689, 24.3018, 54.2138



14.1679, 12.8197, 9.6308



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.



40.8880, 23.2516, 2.3330



42.7608, 24.3017, 2.4369



55.5776, 52.6309, 7.2296



17.5657, 17.8673, 17.9853



21.7770, 12.5107, 1.2670



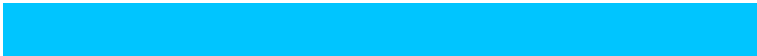
2.0933, 1.3114, 0.1428

Inverse Universe

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



36.3221, 45.0358, 97.2203



37.9812, 47.0825, 101.6937



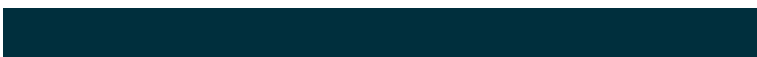
19.4980, 11.3875, 91.6123



17.4105, 18.8978, 22.1153



19.3802, 24.1160, 51.6070



1.8740, 2.3916, 4.8060

Previews

White Background



This preview shows how the XYZ color 40.8875, 23.2502, 2.3327 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 40.8875, 23.2502, 2.3327 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 40.8875, 23.2502, 2.3327

Background



This preview shows how black text looks on a background with the XYZ color 40.8875, 23.2502, 2.3327.



This preview shows how white text looks on a background with the XYZ color 40.8875, 23.2502,

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

40.8875, 23.2502, 2.3327

Protanopia

21.1870, 23.3478, 4.5523

Deuteranopia

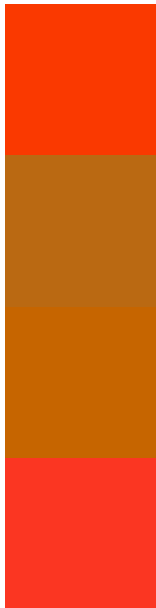
23.6093, 23.2465, 3.2427



Tritanopia

41.7226, 23.3218, 5.7926

Trichromacy



Original Color

40.8875, 23.2502, 2.3327

Protanomaly

25.4105, 20.5859, 3.2065

Deuteranomaly

27.9424, 21.3131, 2.6411

Tritanomaly

41.3916, 23.2631, 3.8220

Monochromacy



Original Color

40.8875, 23.2502, 2.3327

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

19.1438, 15.0480, 7.5258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8875, 23.2502, 2.3327 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(250, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 57, 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(250, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 57, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.8875, 23.2502, 2.3327 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(250, 57, 0) }
```


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

```
.border{ border-color:rgb(250, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.8875, 23.2502, 2.3327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 57, 0) }
```

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

```
.background{ background-color: rgb(250, 57,  
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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