

Converting Colors

XYZ(39.4878, 22.7080, 2.3018)

Have a look what the booklet for
XYZ(39.4878, 22.7080, 2.3018)
contains.

XYZ(39.5700, 22.7208, 2.3000)	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(39.5700, 22.7208,
2.3000)**

Conversions

Conversions Part 1

Format	Color
Hex	F63B00
RGB	246, 59, 0
RGB Percent	96%, 23%, 0%
CMY	0.0353, 0.7686, 1.0000
CMYK	0.00, 0.76, 1.00, 0.04
HSL	14°, 100%, 48%
HSV	14°, 100%, 96%
XYZ	39.5700, 22.7208, 2.3000
YIQ	108.1870, 130.3910, 21.2950

Conversions

Conversions Part 2

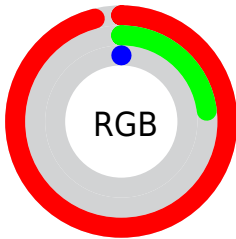
Format	Color
R_{YB}	246, 78, 0
Decimal	16136960
CIE _{Lab}	54.78, 68.25, 66.75
CIE _{LCh}	55, 95.465, 44.367
Yxy	22.7208, 0.6126, 0.3518
Android (android.graphics.Color)	4294327040 (0xFFFF63B00)
YUV	108.1870, -53.3362, 120.8620
Hunter-Lab	47.6663, 64.7649, 30.5056

Details

The XYZ color **39.5700, 22.7208, 2.3000** 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 **34.4020, 42.1888, 93.5181**, and the grayscale version is **14.4279, 15.1793, 16.5303**.

A 20% lighter version of the original color is **48.7988, 35.0299, 8.6043**, and **18.8224, 9.7033, 0.8809** is the 20% darker color. If you saturate the color by 10%, you get **39.5703, 22.7219, 2.3002**, and if you desaturate by 10%, it is **40.8810, 25.0694, 3.5816**.

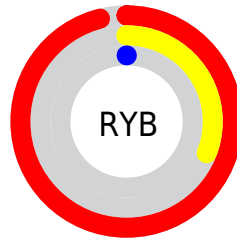
Distribution



Red (96%)

Green (23%)

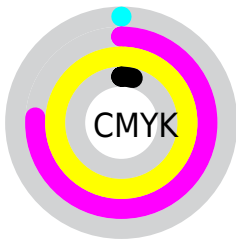
Blue (0%)



Red (96%)

Yellow (31%)

Blue (0%)

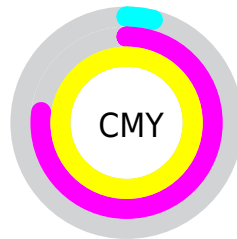


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (77%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5700, 22.7208, 2.3000 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 39.5700, 22.7208, 2.3000 by changing the saturation by 10% instead.


 39.5700, 22.7208,
2.3000


 39.5700, 22.7208,
2.3000

335.4734,
266.2877, 126.8739


 27.3862, 14.3875,
0.7312


 73.7968, 47.9345,
9.8459


 18.0015, 8.3907,
0.0000


 96.5704, 65.5836,
16.6783


 11.0508, 4.3459,
0.0000


 123.6048, 87.1068,
26.1084

 6.1685, 1.8689,
0.0000

 155.2651,
112.8885, 38.5548

 2.9895, 0.5296,
0.0000

 191.9167,
143.3130, 54.4360


 1.1482, 0.0000,
0.0000

 233.9251,


 0.0649, 0.0000,


178.7648, 74.1706


0.0000


 281.6556,
219.6282, 98.1770


 0.0000, 0.0000,
0.0000


 39.5700, 22.7208,
2.3000


 39.5700, 22.7208,
2.3000


 39.5703, 22.7219,
2.3002

 40.8810, 25.0694,
3.5816

 42.7850, 28.2574,
6.1275

 45.3786, 32.3713,
10.3004

 48.7282, 37.4799,
16.3214

 52.8920, 43.6447,
24.3764

■ 57.9217, 50.9224,
34.6287

■ 63.8647, 59.3652,
47.2245

■ 70.7647, 69.0219,
62.2977

■ 78.6626, 79.9387,
79.9719

Harmonies

Analogous

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



47.7864, 22.7208, 12.9487



39.5700, 22.7208, 2.3000



27.5315, 22.7208, 0.1763

Triad

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



39.5700, 22.7208, 2.3000



7.3654, 22.7208, 12.1607



27.0261, 22.7208, 134.3608

Complementary

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



39.5700, 22.7208, 2.3000



34.4020, 42.1888, 93.5181

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.



16.5805, 22.7208, 133.3379



39.5700, 22.7208, 2.3000



7.3090, 22.7208, 42.1217

Square

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



39.5700, 22.7208, 2.3000



10.2958, 22.7208, 2.1189



10.1038, 22.7208, 91.5883



39.0978, 22.7208, 93.7756

Rectangle

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



39.5700, 22.7208, 2.3000



20.0883, 22.7208, 0.0000



10.1038, 22.7208, 91.5883



23.1761, 22.7208, 139.5145

Sweetspot

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



39.5705, 22.7222, 2.3003



69.2588, 64.3597, 51.1555



47.1477, 23.2495, 49.9195



14.2152, 12.9142, 9.6465



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.



39.5705, 22.7222, 2.3003



42.9180, 24.6159, 2.4893



54.4079, 52.3970, 7.2461



16.8219, 17.1279, 17.2170



21.2115, 12.3085, 1.2578



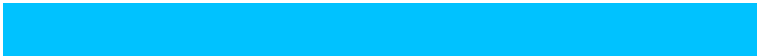
1.9409, 1.2351, 0.1361

Inverse Universe

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



34.4020, 42.1888, 93.5181



37.3035, 45.7269, 101.4678



18.5595, 10.5039, 88.2372



16.6402, 18.0447, 21.1485



18.4768, 22.7474, 49.9549



1.7028, 2.1571, 4.4168

Previews

White Background



This preview shows how the XYZ color 39.5700, 22.7208, 2.3000 looks on a white background.

Color Contrast Check

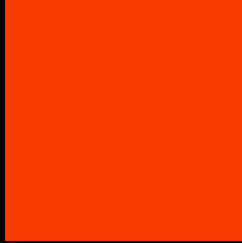
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.5700, 22.7208, 2.3000 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 39.5700, 22.7208, 2.3000

Background



This preview shows how black text looks on a background with the XYZ color 39.5700, 22.7208, 2.3000.



This preview shows how white text looks on a background with the XYZ color 39.5700, 22.7208,

2.3000.

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

39.5700, 22.7208, 2.3000

Protanopia

20.6736, 22.8823, 4.4257

Deuteranopia

23.0595, 22.7742, 3.1805



Tritanopia

40.4378, 22.7921, 6.0094

Trichromacy



Original Color

39.5700, 22.7208, 2.3000

Protanomaly

24.9279, 20.3372, 3.1839

Deuteranomaly

27.1594, 20.9095, 2.6045

Tritanomaly

40.0904, 22.7299, 3.9434

Monochromacy



Original Color

39.5700, 22.7208, 2.3000

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

18.8309, 15.0111, 7.5352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5700, 22.7208, 2.3000 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(246, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(246, 59, 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(246, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 59, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.5700, 22.7208, 2.3000 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(246, 59, 0) }
```


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

```
.border{ border-color:rgb(246, 59, 0) }
```

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

Here you see how a box with a 4 pixel rgb(246, 59, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(246, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 39.5700, 22.7208, 2.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 59, 0) }
```

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

```
.background{ background-color: rgb(246, 59,  
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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