

Converting Colors

XYZ(39.6127, 23.9854, 2.8730)

Have a look what the booklet for
XYZ(39.6127, 23.9854, 2.8730)
contains.

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Color

**XYZ(39.7512, 24.0223,
2.8583)**

Conversions

Conversions Part 1

Format	Color
Hex	F4490B
RGB	244, 73, 11
RGB Percent	96%, 29%, 4%
CMY	0.0431, 0.7137, 0.9568
CMYK	0.00, 0.70, 0.95, 0.04
HSL	16°, 91%, 50%
HSV	16°, 95%, 96%
XYZ	39.7512, 24.0223, 2.8583
YIQ	117.0610, 121.8180, 16.9700

Conversions

Conversions Part 2

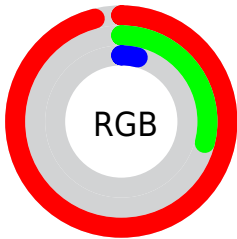
Format	Color
RYB	244, 95, 11
Decimal	16009483
CIELab	56.11, 63.10, 64.89
CIELCh	56, 90.507, 45.802
Yxy	24.0223, 0.5966, 0.3605
Android (android.graphics.Color)	4294199563 (0xFFFF4490B)
YUV	117.0610, -52.2881, 111.3255
Hunter-Lab	49.0125, 58.9989, 30.8511

Details

The XYZ color **39.7512, 24.0223, 2.8583** 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 **33.1936, 40.0557, 91.5694**, and the grayscale version is **17.0596, 17.9480, 19.5454**.

A 20% lighter version of the original color is **50.3997, 37.9100, 10.1298**, and **18.3601, 9.4650, 0.8592** is the 20% darker color. If you saturate the color by 10%, you get **39.1946, 23.0061, 2.3748**, and if you desaturate by 10%, it is **41.3515, 26.8249, 4.6201**.

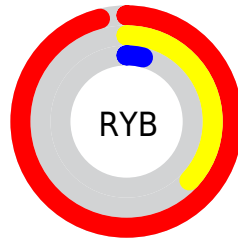
Distribution



Red (96%)

Green (29%)

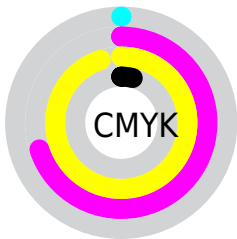
Blue (4%)



Red (96%)

Yellow (37%)

Blue (4%)

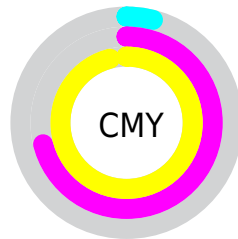


Cyan (0%)

Magenta (70%)

Yellow (95%)

Black (4%)



Cyan (4%)


Magenta (71%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7512, 24.0223, 2.8583 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 39.7512, 24.0223, 2.8583 by changing the saturation by 10% instead.


 39.7512, 24.0223,
2.8583


 39.7512, 24.0223,
2.8583


336.2262,
272.9332, 134.5349


 27.5280, 15.3502,
1.0227


 74.0713, 50.0666,
11.2767

 18.1088, 9.0655,
0.0000


 96.8988, 68.2075,
18.6967


 11.1283, 4.7839,
0.0000


 123.9918, 90.2735,
28.8152

 6.2211, 2.1211,
0.0000

 155.7156,
116.6490, 42.0508

 3.0219, 0.6764,
0.0000

 192.4356,
147.7183, 58.8220


 1.1654, 0.0000,
0.0000

 234.5171,


 0.0788, 0.0000,


183.8658, 79.5474


0.0000


 282.3256,
225.4760, 104.6455


 0.0000, 0.0000,
0.0000


 39.7512, 24.0223,
2.8583


 39.7512, 24.0223,
2.8583


 39.1946, 23.0061,
2.3748

 41.3515, 26.8249,
4.6201

 43.5684, 30.4570,
7.8305

 46.4709, 34.9856,
12.7332

 50.1171, 40.4687,
19.5265

 54.5582, 46.9591,
28.3805

■ 59.8406, 54.5056,
39.4464

■ 66.0069, 63.1536,
52.8611

■ 73.0967, 72.9456,
68.7501

■ 81.1470, 83.9222,
87.2304

Harmonies

Analogous

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



47.9040, 24.0223, 13.4808



39.7512, 24.0223, 2.8583



28.0824, 24.0223, 0.6291

Triad

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



39.7512, 24.0223, 2.8583



8.4410, 24.0223, 14.4981



28.7060, 24.0223, 128.6104

Complementary

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



39.7512, 24.0223, 2.8583



33.1936, 40.0557, 91.5694

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.



18.2814, 24.0223, 129.8107



39.7512, 24.0223, 2.8583



8.5156, 24.0223, 44.9988

Square

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



39.7512, 24.0223, 2.8583



11.3102, 24.0223, 3.1246



11.5592, 24.0223, 92.2020



40.3252, 24.0223, 89.6081

Rectangle

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



39.7512, 24.0223, 2.8583



20.8750, 24.0223, 0.4683



11.5592, 24.0223, 92.2020



24.9087, 24.0223, 134.0822

Sweetspot

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



39.7517, 24.0237, 2.8587



70.4094, 66.2459, 52.8187



46.2641, 23.0070, 48.3180



14.4534, 13.3127, 9.9662



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.



39.7517, 24.0237, 2.8587



43.2988, 25.3777, 2.6163



54.8748, 54.2700, 7.8997



16.8578, 17.1997, 17.2289



21.4072, 12.7000, 1.3231



1.9625, 1.2782, 0.1433

Inverse Universe

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



33.1936, 40.0557, 91.5694



35.8494, 42.8189, 100.9831



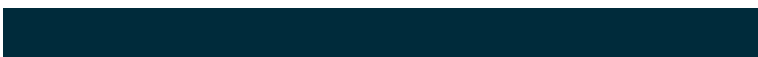
18.6109, 10.8903, 86.7085



16.6018, 17.9680, 21.1357



17.7692, 21.3322, 49.7190



1.6458, 2.0429, 4.3978

Previews

White Background



This preview shows how the XYZ color 39.7512, 24.0223, 2.8583 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 39.7512, 24.0223, 2.8583 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 39.7512, 24.0223, 2.8583

Background



This preview shows how black text looks on a background with the XYZ color 39.7512, 24.0223, 2.8583.



This preview shows how white text looks on a background with the XYZ color 39.7512, 24.0223,

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

39.7512, 24.0223, 2.8583

Protanopia

21.8346, 24.0921, 4.6618

Deuteranopia

24.2967, 23.9844, 3.3489



Tritanopia

40.8606, 24.0017, 8.4404

Trichromacy



Original Color

39.7512, 24.0223, 2.8583

Protanomaly

25.9466, 21.9606, 3.6303

Deuteranomaly

28.4104, 22.6042, 2.9805

Tritanomaly

40.4007, 24.0145, 5.4116

Monochromacy



Original Color

39.7512, 24.0223, 2.8583

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

21.1331, 17.6439, 9.4995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7512, 24.0223, 2.8583 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(244, 73, 11)` looks like.

```
.text, #text, p{  
  color:rgb(244, 73, 11)  
}
```

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(244, 73, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 73, 11) }
```

Border

The CSS property to change the border of an element to XYZ 39.7512, 24.0223, 2.8583 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(244, 73, 11) }
```


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

```
.border{ border-color:rgb(244, 73, 11) }
```

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

Here you see how a box with a 4 pixel rgb(244, 73, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 73, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 73, 11);  
box-shadow:4px 4px 4px 4px rgb(244, 73,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7512, 24.0223, 2.8583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 73, 11) }
```

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

```
.background{ background-color: rgb(244, 73,  
11) }
```

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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