

Converting Colors

XYZ(40.3384, 23.1944, 2.4590)

Have a look what the booklet for
XYZ(40.3384, 23.1944, 2.4590)
contains.

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Color

**XYZ(40.3492, 23.1969,
2.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	F83C04
RGB	248, 60, 4
RGB Percent	97%, 24%, 2%
CMY	0.0275, 0.7646, 0.9843
CMYK	0.00, 0.76, 0.98, 0.03
HSL	14°, 97%, 49%
HSV	14°, 98%, 97%
XYZ	40.3492, 23.1969, 2.4657
YIQ	109.8280, 130.0240, 22.4400

Conversions

Conversions Part 2

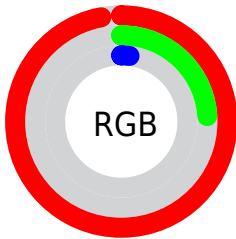
Format	Color
R_{YB}	248, 77, 4
Decimal	16268292
CIE Lab	55.27, 68.56, 66.30
CIE LCh	55, 95.379, 44.040
Yxy	23.1969, 0.6112, 0.3514
Android (android.graphics.Color)	4294458372 (0xFFFF83C04)
YUV	109.8280, -52.1732, 121.1768
Hunter-Lab	48.1632, 65.2547, 30.6789

Details

The XYZ color **40.3492, 23.1969, 2.4657** 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 **35.8404, 44.4974, 95.5062**, and the grayscale version is **14.8922, 15.6678, 17.0622**.

A 20% lighter version of the original color is **49.0028, 35.3049, 9.0823**, and **19.2914, 9.9451, 0.9028** is the 20% darker color. If you saturate the color by 10%, you get **40.1708, 22.8756, 2.2982**, and if you desaturate by 10%, it is **41.7352, 25.6536, 3.9017**.

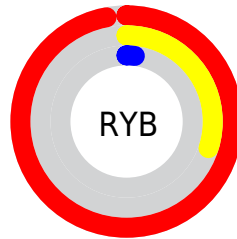
Distribution



Red (97%)

Green (24%)

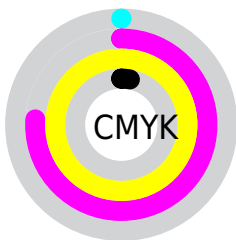
Blue (2%)



Red (97%)

Yellow (30%)

Blue (2%)

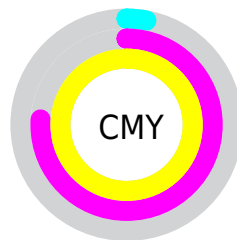


Cyan (0%)

Magenta (76%)

Yellow (98%)

Black (3%)



Cyan (3%)


Magenta (76%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3492, 23.1969, 2.4657 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 40.3492, 23.1969, 2.4657 by changing the saturation by 10% instead.


 40.3492, 23.1969,
2.4657


 40.3492, 23.1969,
2.4657


338.7024,
268.7347, 129.2340


 27.9963, 14.7390,
0.8219


 74.9759, 48.7164,
10.2788


 18.4633, 8.6364,
0.0000


 97.9805, 66.5468,
17.2921


 11.3848, 4.5048,
0.0000


 125.2664, 88.2702,
26.9346

 6.3955, 1.9597,
0.0000

 157.1989,
114.2708, 39.6248

 3.1300, 0.5839,
0.0000

 194.1434,
144.9332, 55.7813


 1.2229, 0.0000,
0.0000

 236.4653,


 0.1243, 0.0000,


180.6417, 75.8227


0.0000


 284.5298,
221.7808, 100.1674


 0.0000, 0.0000,
0.0000

 40.3492, 23.1969,
2.4657


 40.3492, 23.1969,
2.4657


 40.1708, 22.8756,
2.2982

 41.7352, 25.6536,
3.9017

 43.7568, 28.9971,
6.7322

 46.5012, 33.3130,
11.2630

 50.0361, 38.6728,
17.7130

 54.4206, 45.1408,
26.2681

■ 59.7078, 52.7760,
37.0918

■ 65.9463, 61.6330,
50.3316

■ 73.1812, 71.7629,
66.1223

■ 81.4545, 83.2139,
84.5890

Harmonies

Analogous

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



48.5720, 23.1969, 13.5079



40.3492, 23.1969, 2.4657



28.1901, 23.1969, 0.2516

Triad

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



40.3492, 23.1969, 2.4657



7.6114, 23.1969, 12.2921



27.4144, 23.1969, 136.0533

Complementary

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



40.3492, 23.1969, 2.4657



35.8404, 44.4974, 95.5062

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.



16.8698, 23.1969, 134.4920



40.3492, 23.1969, 2.4657



7.5241, 23.1969, 42.3800

Square

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



40.3492, 23.1969, 2.4657



10.6320, 23.1969, 2.1819



10.3356, 23.1969, 92.1660



39.6256, 23.1969, 95.5084

Rectangle

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



40.3492, 23.1969, 2.4657



20.6326, 23.1969, 0.0111



10.3356, 23.1969, 92.1660



23.5266, 23.1969, 141.0632

Sweetspot

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



40.3497, 23.1983, 2.4660



69.0799, 64.0019, 51.0959



48.6200, 23.9894, 53.7768



14.1739, 12.8316, 9.6328



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.



40.3497, 23.1983, 2.4660



42.7803, 24.3405, 2.4434



54.8266, 52.1521, 7.2917



17.5679, 17.8716, 17.9860



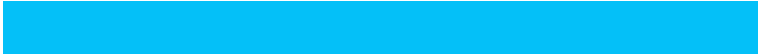
21.7874, 12.5314, 1.2705



2.0945, 1.3138, 0.1432

Inverse Universe

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



35.8404, 44.4974, 95.5062



37.8946, 46.9092, 101.6649



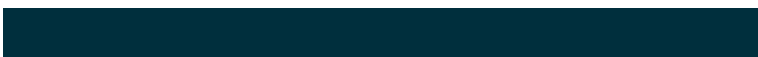
19.3848, 11.5861, 90.0210



17.4082, 18.8932, 22.1145



19.3368, 24.0291, 51.5925



1.8703, 2.3842, 4.8048

Previews

White Background



This preview shows how the XYZ color 40.3492, 23.1969, 2.4657 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 40.3492, 23.1969, 2.4657 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 40.3492, 23.1969, 2.4657

Background



This preview shows how black text looks on a background with the XYZ color 40.3492, 23.1969, 2.4657.



This preview shows how white text looks on a background with the XYZ color 40.3492, 23.1969,

2.4657.

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

40.3492, 23.1969, 2.4657

Protanopia

21.0037, 23.2533, 4.5437

Deuteranopia

23.3972, 23.1372, 3.2328



Tritanopia

41.2196, 23.2635, 6.1887

Trichromacy



Original Color

40.3492, 23.1969, 2.4657

Protanomaly

25.2879, 20.6729, 3.3193

Deuteranomaly

27.5218, 21.2407, 2.6780

Tritanomaly

40.8799, 23.2059, 4.1583

Monochromacy



Original Color

40.3492, 23.1969, 2.4657

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

19.4617, 15.5828, 7.9433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3492, 23.1969, 2.4657 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(248, 60, 4)` looks like.

```
.text, #text, p{  
    color:rgb(248, 60, 4)  
}
```

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(248, 60, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 60, 4) }
```

Border

The CSS property to change the border of an element to XYZ 40.3492, 23.1969, 2.4657 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(248, 60, 4) }
```


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

```
.border{ border-color:rgb(248, 60, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 60, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 60, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 60, 4);  
box-shadow:4px 4px 4px 4px rgb(248, 60, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 40.3492, 23.1969, 2.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 60, 4) }
```

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

```
.background{ background-color: rgb(248, 60,  
4) }
```

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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