

Converting Colors

XYZ(37.9681, 24.0162, 2.6345)

Have a look what the booklet for
XYZ(37.9681, 24.0162, 2.6345)
contains.

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Color

**XYZ(37.9423, 24.0391,
2.6402)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5200
RGB	237, 82, 0
RGB Percent	93%, 32%, 0%
CMY	0.0706, 0.6784, 1.0000
CMYK	0.00, 0.65, 1.00, 0.07
HSL	21°, 100%, 46%
HSV	21°, 100%, 93%
XYZ	37.9423, 24.0391, 2.6402
YIQ	118.9970, 118.7020, 7.3580

Conversions

Conversions Part 2

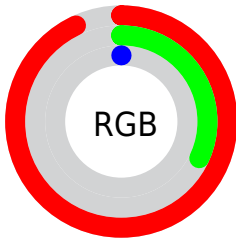
Format	Color
R_{YB}	237, 125, 0
Decimal	15553024
CIE _{Lab}	56.13, 57.26, 66.47
CIE _{LCh}	56, 87.734, 49.255
Yxy	24.0391, 0.5871, 0.3720
Android (android.graphics.Color)	4293743104 (0xFFED5200)
YUV	118.9970, -58.6655, 103.4886
Hunter-Lab	49.0297, 52.3327, 31.1281

Details

The XYZ color **37.9423, 24.0391, 2.6402** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **27.0060, 29.5544, 84.4012**, and the grayscale version is **17.6886, 18.6097, 20.2660**.

A 20% lighter version of the original color is **51.2539, 39.8071, 9.8327**, and **17.1985, 9.1412, 0.8580** is the 20% darker color. If you saturate the color by 10%, you get **37.9426, 24.0402, 2.6404**, and if you desaturate by 10%, it is **39.4084, 26.7129, 3.9271**.

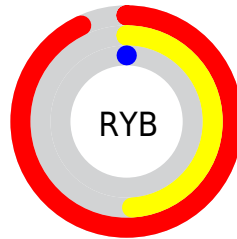
Distribution



Red (93%)

Green (32%)

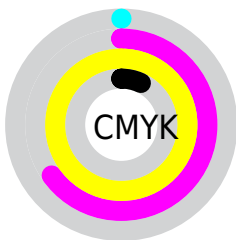
Blue (0%)



Red (93%)

Yellow (49%)

Blue (0%)

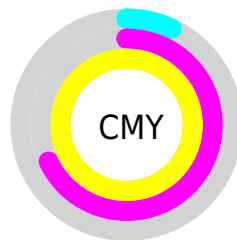


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (68%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9423, 24.0391, 2.6402 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 37.9423, 24.0391, 2.6402 by changing the saturation by 10% instead.


 37.9423, 24.0391,
2.6402

 37.9423, 24.0391,
2.6402


328.6575,
273.0181, 131.6372


 26.1149, 15.3626,
0.9131


 71.3242, 50.0940,
10.7269

 17.0428, 9.0743,
0.0000


 93.6093, 68.2412,
17.9245


 10.3605, 4.7897,
0.0000


 120.1112, 90.3141,
27.7829

 5.7027, 2.1244,
0.0000

 151.1950,
116.6972, 40.7208

 2.7041, 0.6783,
0.0000

 187.2262,
147.7747, 57.1566


 0.9993, 0.0000,
0.0000


 228.5701,


 0.0000, 0.0000,


183.9311, 77.5089


0.0000


 275.5921,
225.5507, 102.1963


 37.9423, 24.0391,
2.6402


 37.9423, 24.0391,
2.6402


 37.9426, 24.0402,
2.6404

 39.4084, 26.7129,
3.9271

 41.3521, 30.0250,
6.3481

 43.8509, 34.0317,
10.2362

 46.9556, 38.7755,
15.7892

 50.7100, 44.2949,
23.1737

■ 55.1534, 50.6253,
32.5358

■ 60.3215, 57.7996,
44.0067

■ 66.2476, 65.8488,
57.7062

■ 72.9626, 74.8023,
73.7450

Harmonies

Analogous

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



46.4072, 24.0391, 11.8266



37.9423, 24.0391, 2.6402



26.6481, 24.0391, 0.7393

Triad

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



37.9423, 24.0391, 2.6402



8.6261, 24.0391, 17.1447



29.8393, 24.0391, 121.0413

Complementary

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



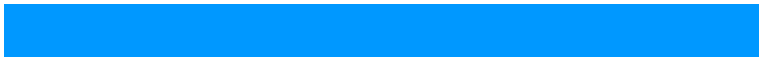
37.9423, 24.0391, 2.6402



27.0060, 29.5544, 84.4012

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.



19.4283, 24.0391, 127.0429



37.9423, 24.0391, 2.6402



9.0200, 24.0391, 49.0227

Square

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



37.9423, 24.0391, 2.6402



11.1034, 24.0391, 4.1105



12.4057, 24.0391, 94.5756



40.8600, 24.0391, 81.5392

Rectangle

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



37.9423, 24.0391, 2.6402



19.8767, 24.0391, 0.7116



12.4057, 24.0391, 94.5756



26.1026, 24.0391, 127.7618

Sweetspot

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



37.9428, 24.0405, 2.6406



71.1506, 68.1433, 51.7861



41.0963, 20.4731, 34.1336



14.6543, 13.7925, 9.7929



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.



37.9428, 24.0405, 2.6406



44.7492, 28.2784, 3.0997



55.0046, 58.1642, 8.3279



15.4917, 15.9064, 15.7725



20.8259, 13.3460, 1.4784



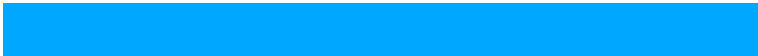
1.7223, 1.2219, 0.1451

Inverse Universe

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



27.0060, 29.5544, 84.4012



31.8253, 34.7706, 99.6418



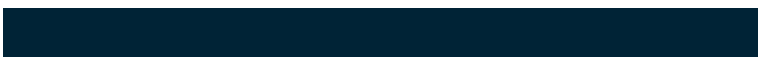
16.0281, 7.5987, 80.7419



15.0535, 16.1934, 19.2545



14.8715, 16.3899, 46.1227



1.2570, 1.4654, 3.6515

Previews

White Background



This preview shows how the XYZ color 37.9423, 24.0391, 2.6402 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 37.9423, 24.0391, 2.6402 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 37.9423, 24.0391, 2.6402

Background



This preview shows how black text looks on a background with the XYZ color 37.9423, 24.0391, 2.6402.



This preview shows how white text looks on a background with the XYZ color 37.9423, 24.0391,

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

37.9423, 24.0391, 2.6402

Protanopia

21.7883, 24.0735, 4.4180

Deuteranopia

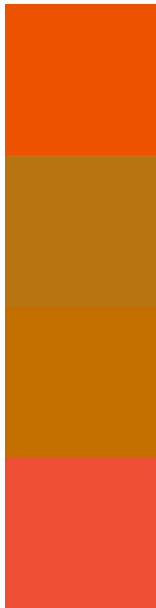
24.2967, 23.9844, 3.3489



Tritanopia

39.6290, 24.0988, 10.1523

Trichromacy



Original Color

37.9423, 24.0391, 2.6402

Protanomaly

25.8674, 22.5955, 3.4882

Deuteranomaly

27.9326, 22.8382, 2.9360

Tritanomaly

38.5818, 23.8649, 5.7049

Monochromacy



Original Color

37.9423, 24.0391, 2.6402

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.3588, 18.5113, 9.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9423, 24.0391, 2.6402 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(237, 82, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 82, 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(237, 82, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 82, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.9423, 24.0391, 2.6402 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(237, 82, 0) }
```


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

```
.border{ border-color:rgb(237, 82, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 82, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 82, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 82, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 82, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.9423, 24.0391, 2.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 82, 0) }
```

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

```
.background{ background-color: rgb(237, 82,  
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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