

Converting Colors

XYZ(23.2092, 15.7440, 2.2352)

Have a look what the booklet for
XYZ(23.2092, 15.7440, 2.2352)
contains.

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Color

**XYZ(23.1572, 15.7654,
2.2380)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4C0E
RGB	187, 76, 14
RGB Percent	73%, 30%, 5%
CMY	0.2667, 0.7019, 0.9451
CMYK	0.00, 0.59, 0.93, 0.27
HSL	22°, 86%, 39%
HSV	22°, 93%, 73%
XYZ	23.1572, 15.7654, 2.2380
YIQ	102.1210, 86.0580, 4.2500

Conversions

Conversions Part 2

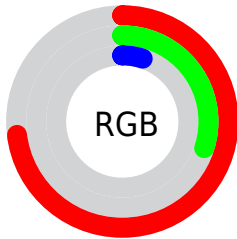
Format	Color
R _Y B	187, 111, 14
Decimal	12274702
CIE Lab	46.67, 42.18, 53.26
CIE LCh	47, 67.937, 51.623
Yxy	15.7654, 0.5626, 0.3830
Android (android.graphics.Color)	4290464782 (0xFFBB4C0E)
YUV	102.1210, -43.4437, 74.4389
Hunter-Lab	39.7057, 34.6201, 24.4521

Details

The XYZ color **23.1572, 15.7654, 2.2380** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.4837, 18.3473, 49.6858**, and the grayscale version is **12.7561, 13.4204, 14.6148**.

A 20% lighter version of the original color is **48.1566, 36.1676, 9.7531**, and **8.8911, 5.0094, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **22.5018, 14.5817, 1.6286**, and if you desaturate by 10%, it is **24.2538, 17.6531, 3.5462**.

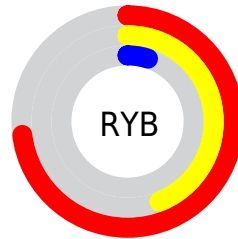
Distribution



Red (73%)

Green (30%)

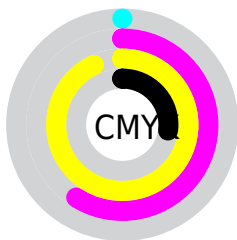
Blue (5%)



Red (73%)

Yellow (44%)

Blue (5%)

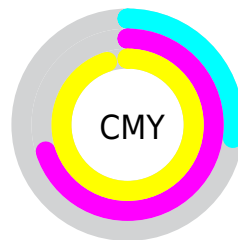


Cyan (0%)

Magenta (59%)

Yellow (93%)

Black (27%)



Cyan (27%)

Magenta (70%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1572, 15.7654, 2.2380 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 23.1572, 15.7654, 2.2380 by changing the saturation by 10% instead.

■ 23.1572, 15.7654,
2.2380

■ 23.1572, 15.7654,
2.2380

261.0517,
227.9534, 125.9694

■ 14.8310, 9.3583,
0.6962

■ 48.1161, 36.1904,
9.6818

■ 8.7864, 4.9756,
0.0000

■ 65.4794, 50.9772,
16.4450

■ 4.6581, 2.2330,
0.0000

■ 86.5859, 69.3259,
25.7937

■ 2.0808, 0.7379,
0.0000

■ 111.8007, 91.6210,
38.1465


■ 0.6787, 0.0000,
0.0000


■ 141.4894,
118.2470, 53.9219


■ 0.0000, 0.0000,
0.0000


■ 176.0172,


149.5881, 73.5385


 215.7495,
186.0287, 97.4148


 23.1572, 15.7654,
2.2380

 23.1572, 15.7654,
2.2380


 22.5018, 14.5817,
1.6286

 24.2538, 17.6531,
3.5462

 25.6572, 19.9221,
5.6719

 27.3963, 22.5966,
8.7291

 29.4956, 25.6974,
12.8134

 31.9772, 29.2439,
18.0084

■ 34.8612, 33.2540,
24.3887

■ 38.1659, 37.7444,
32.0227

■ 41.9086, 42.7313,
40.9734

■ 46.1057, 48.2298,
51.2995

Harmonies

Analogous

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



28.1446, 15.7654, 7.7848



23.1572, 15.7654, 2.2380



16.6929, 15.7654, 0.9260

Triad

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



23.1572, 15.7654, 2.2380



6.3512, 15.7654, 12.8672



19.5490, 15.7654, 68.2930

Complementary

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



23.1572, 15.7654, 2.2380



16.4837, 18.3473, 49.6858

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.



13.3969, 15.7654, 73.2626



23.1572, 15.7654, 2.2380



6.7397, 15.7654, 32.0764

Square

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



23.1572, 15.7654, 2.2380



7.7537, 15.7654, 3.8891



9.0041, 15.7654, 57.1198



25.7107, 15.7654, 46.1382

Rectangle

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



23.1572, 15.7654, 2.2380



12.8201, 15.7654, 0.9728



9.0041, 15.7654, 57.1198



17.3798, 15.7654, 72.4278

Sweetspot

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



23.1575, 15.7663, 2.2383



64.7464, 62.7171, 48.9525



24.4454, 12.3969, 20.9959



13.7154, 13.0687, 9.5418



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1575, 15.7663, 2.2383



40.0979, 25.7097, 2.8491



33.3262, 36.1036, 5.6278



9.8025, 10.0810, 10.0058



15.5669, 10.1725, 1.1430



0.6724, 0.5237, 0.0657

Inverse Universe

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



16.4837, 18.3473, 49.6858



27.8567, 30.0101, 88.5257



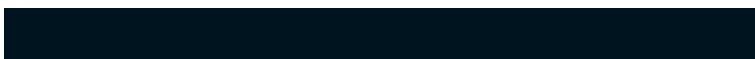
9.9079, 5.1956, 47.4939



9.5131, 10.2185, 12.1432



10.8762, 11.8641, 34.1097



0.4858, 0.5843, 1.3560

Previews

White Background



This preview shows how the XYZ color 23.1572, 15.7654, 2.2380 looks on a white 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

Black Background



This preview shows how the XYZ color 23.1572, 15.7654, 2.2380 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1572, 15.7654, 2.2380

Background



This preview shows how black text looks on a background with the XYZ color 23.1572, 15.7654, 2.2380.



This preview shows how white text looks on a background with the XYZ color 23.1572, 15.7654,

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

23.1572, 15.7654, 2.2380

Protanopia

14.4165, 16.0143, 3.1954

Deuteranopia

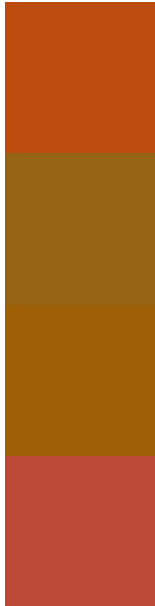
16.1385, 15.9708, 2.2321



Tritanopia

24.5095, 15.8333, 8.4209

Trichromacy



Original Color

23.1572, 15.7654, 2.2380

Protanomaly

16.8008, 15.2701, 2.7237

Deuteranomaly

18.2202, 15.4645, 2.1682

Tritanomaly

23.7642, 15.7135, 5.1487

Monochromacy



Original Color

23.1572, 15.7654, 2.2380

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.6927, 13.2574, 7.5789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1572, 15.7654, 2.2380 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(187, 76, 14)` looks like.

```
.text, #text, p{  
    color:rgb(187, 76, 14)  
}
```

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(187, 76, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 76, 14) }
```

Border

The CSS property to change the border of an element to XYZ 23.1572, 15.7654, 2.2380 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(187, 76, 14) }
```


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

```
.border{ border-color:rgb(187, 76, 14) }
```

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

Here you see how a box with a 4 pixel rgb(187, 76, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 76, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 76, 14);  
box-shadow:4px 4px 4px 4px rgb(187, 76,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1572, 15.7654, 2.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 76, 14) }
```

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

```
.background{ background-color: rgb(187, 76,  
14) }
```

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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