

Converting Colors

XYZ(23.1585, 14.7500, 2.3833)

Have a look what the booklet for
XYZ(23.1585, 14.7500, 2.3833)
contains.

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Color

**XYZ(23.0214, 14.6573,
2.3748)**

Conversions

Conversions Part 1

Format	Color
Hex	BD4116
RGB	189, 65, 22
RGB Percent	74%, 25%, 9%
CMY	0.2588, 0.7451, 0.9137
CMYK	0.00, 0.66, 0.88, 0.26
HSL	15°, 79%, 41%
HSV	15°, 88%, 74%
XYZ	23.0214, 14.6573, 2.3748
YIQ	97.1740, 87.7070, 12.9150

Conversions

Conversions Part 2

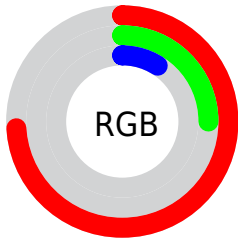
Format	Color
RYB	189, 80, 22
Decimal	12402966
CIELab	45.16, 48.05, 49.57
CIELCh	45, 69.036, 45.893
Yxy	14.6573, 0.5748, 0.3659
Android (android.graphics.Color)	4290593046 (0xFFBD4116)
YUV	97.1740, -37.0608, 80.5314
Hunter-Lab	38.2849, 40.3369, 23.1217

Details

The XYZ color **23.0214, 14.6573, 2.3748** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.7939, 24.4003, 51.8103**, and the grayscale version is **11.4790, 12.0768, 13.1516**.

A 20% lighter version of the original color is **47.7606, 34.1072, 10.0273**, and **8.7524, 4.5120, 0.4096** is the 20% darker color. If you saturate the color by 10%, you get **22.1859, 13.1910, 1.4658**, and if you desaturate by 10%, it is **24.1836, 16.5759, 4.0136**.

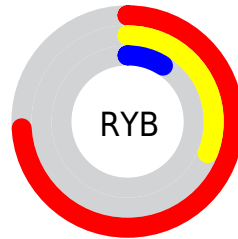
Distribution



Red (74%)

Green (25%)

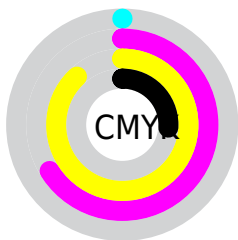
Blue (9%)



Red (74%)

Yellow (31%)

Blue (9%)

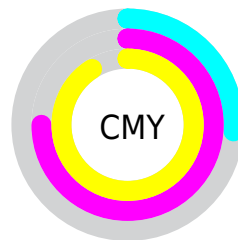


Cyan (0%)

Magenta (66%)

Yellow (88%)

Black (26%)



Cyan (26%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0214, 14.6573, 2.3748 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 23.0214, 14.6573, 2.3748 by changing the saturation by 10% instead.


 23.0214, 14.6573,
2.3748

 23.0214, 14.6573,
2.3748


260.3682,
221.2825, 127.9493


 14.7301, 8.5792,
0.7727


 47.8949, 34.2509,
10.0422


 8.7153, 4.4678,
0.0000


 65.2077, 48.5351,
16.9571


 4.6115, 1.9385,
0.0000

 86.2585, 66.3236,
26.4840

 2.0536, 0.5714,
0.0000

 111.4125, 88.0006,
39.0416


 0.6638, 0.0000,
0.0000


 141.0351,
113.9506, 55.0484


 0.0000, 0.0000,
0.0000


 175.4917,


144.5580, 74.9229


 215.1476,
180.2072, 99.0837


 23.0214, 14.6573,
2.3748


 23.0214, 14.6573,
2.3748


 22.1859, 13.1910,
1.4658


 24.1836, 16.5759,
4.0136

 22.0708, 12.9881,
1.3437

 25.7173, 18.9844,
6.5563

 27.6553, 21.9164,
10.1128

 30.0262, 25.4015,
14.7771

 32.8556, 29.4671,
20.6321

■ 36.1673, 34.1388,
27.7531

■ 39.9832, 39.4403,
36.2087

■ 44.3238, 45.3944,
46.0629

■ 49.2084, 52.0224,
57.3753

Harmonies

Analogous

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



27.3312, 14.6573, 8.8226



23.0214, 14.6573, 2.3748



16.7727, 14.6573, 0.7628

Triad

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



23.0214, 14.6573, 2.3748



5.7844, 14.6573, 9.4740



17.1486, 14.6573, 69.0711

Complementary

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



23.0214, 14.6573, 2.3748



19.7939, 24.4003, 51.8103

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.



11.4305, 14.6573, 69.7451



23.0214, 14.6573, 2.3748



5.8337, 14.6573, 26.1738

Square

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



23.0214, 14.6573, 2.3748



7.4577, 14.6573, 2.5742



7.6179, 14.6573, 50.7041



23.3604, 14.6573, 49.2250

Rectangle

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



23.0214, 14.6573, 2.3748



12.8375, 14.6573, 0.6427



7.6179, 14.6573, 50.7041



15.0856, 14.6573, 71.8497

Sweetspot

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



23.0217, 14.6582, 2.3750



65.3713, 61.9754, 51.0080



26.5592, 13.5071, 28.9140



13.5955, 12.6797, 9.9615



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.



23.0217, 14.6582, 2.3750



39.3663, 22.9363, 2.3523



31.6036, 31.8219, 5.2357



9.7246, 9.9251, 9.9798



14.9034, 8.8455, 0.9219



0.6386, 0.4562, 0.0544

Inverse Universe

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



19.7939, 24.4003, 51.8103



33.1292, 39.9369, 92.1887



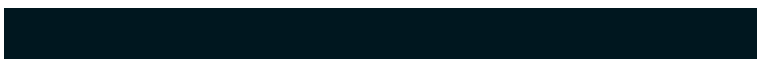
11.3355, 7.4834, 48.9909



9.5950, 10.3822, 12.1705



12.5864, 15.2845, 34.6797



0.5429, 0.6985, 1.3751

Previews

White Background



This preview shows how the XYZ color 23.0214, 14.6573, 2.3748 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 23.0214, 14.6573, 2.3748 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 23.0214, 14.6573, 2.3748

Background



This preview shows how black text looks on a background with the XYZ color 23.0214, 14.6573, 2.3748.



This preview shows how white text looks on a background with the XYZ color 23.0214, 14.6573,

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

23.0214, 14.6573, 2.3748

Protanopia

13.5222, 14.8999, 3.6021

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

23.8294, 14.6548, 6.4232

Trichromacy



Original Color

23.0214, 14.6573, 2.3748

Protanomaly

15.9030, 13.8540, 2.9983

Deuteranomaly

17.1338, 14.1309, 2.0542

Tritanomaly

23.5122, 14.6141, 4.4873

Monochromacy



Original Color

23.0214, 14.6573, 2.3748

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.5599, 11.6850, 7.3351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0214, 14.6573, 2.3748 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(189, 65, 22)` looks like.

```
.text, #text, p{  
    color:rgb(189, 65, 22)  
}
```

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(189, 65, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 65, 22) }
```

Border

The CSS property to change the border of an element to XYZ 23.0214, 14.6573, 2.3748 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(189, 65, 22) }
```


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

```
.border{ border-color:rgb(189, 65, 22) }
```

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

Here you see how a box with a 4 pixel rgb(189, 65, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 65, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 65, 22);  
box-shadow:4px 4px 4px 4px rgb(189, 65,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0214, 14.6573, 2.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 65, 22) }
```

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

```
.background{ background-color: rgb(189, 65,  
22) }
```

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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