

Converting Colors

XYZ(23.0970, 15.5242, 2.5897)

Have a look what the booklet for
XYZ(23.0970, 15.5242, 2.5897)
contains.

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Color

**XYZ(23.0970, 15.5242,
2.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4A17
RGB	187, 74, 23
RGB Percent	73%, 29%, 9%
CMY	0.2667, 0.7098, 0.9098
CMYK	0.00, 0.60, 0.88, 0.27
HSL	19°, 78%, 41%
HSV	19°, 88%, 73%
XYZ	23.0970, 15.5242, 2.5897
YIQ	101.9730, 83.7190, 8.0950

Conversions

Conversions Part 2

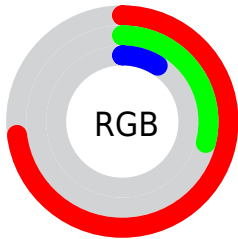
Format	Color
RYB	187, 97, 23
Decimal	12274199
CIELab	46.34, 43.29, 49.97
CIELCh	46, 66.117, 49.098
Yxy	15.5242, 0.5605, 0.3767
Android (android.graphics.Color)	4290464279 (0xFFBB4A17)
YUV	101.9730, -38.9337, 74.5687
Hunter-Lab	39.4008, 35.6866, 23.6836

Details

The XYZ color **23.0970, 15.5242, 2.5897** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.1263, 21.3767, 50.1843**, and the grayscale version is **12.7061, 13.3678, 14.5575**.

A 20% lighter version of the original color is **48.0878, 35.7267, 10.6648**, and **8.8371, 4.9014, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **22.1923, 13.9248, 1.6416**, and if you desaturate by 10%, it is **24.3054, 17.5285, 4.2649**.

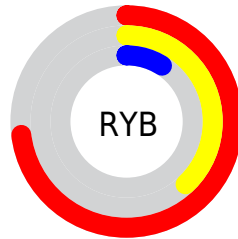
Distribution



Red (73%)

Green (29%)

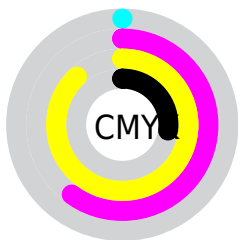
Blue (9%)



Red (73%)

Yellow (38%)

Blue (9%)

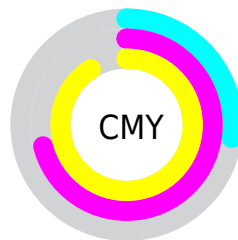


Cyan (0%)

Magenta (60%)

Yellow (88%)

Black (27%)



Cyan (27%)

Magenta (71%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0970, 15.5242, 2.5897 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 23.0970, 15.5242, 2.5897 by changing the saturation by 10% instead.

■ 23.0970, 15.5242,
2.5897

■ 23.0970, 15.5242,
2.5897

260.7489,
226.5175, 130.9499

■ 14.7862, 9.1881,
0.8871

■ 48.0180, 35.7702,
10.5980

■ 8.7548, 4.8641,
0.0000

■ 65.3590, 50.4489,
17.7429

■ 4.6374, 2.1677,
0.0000

■ 86.4408, 68.6772,
27.5396

■ 2.0687, 0.7023,
0.0000

■ 111.6287, 90.8396,
40.4067


■ 0.6721, 0.0000,
0.0000


■ 141.2881,
117.3204, 56.7627


■ 0.0000, 0.0000,
0.0000


■ 175.7844,


148.5041, 77.0263


 215.4828,
184.7750, 101.6158


 23.0970, 15.5242,
2.5897


 23.0970, 15.5242,
2.5897


 22.1923, 13.9248,
1.6416


 24.3054, 17.5285,
4.2649

 22.0145, 13.6070,
1.4661

 25.8553, 19.9665,
6.8220

 27.7756, 22.8650,
10.3659

 30.0912, 26.2479,
14.9865

 32.8249, 30.1371,
20.7632

■ 35.9975, 34.5532,
27.7681

■ 39.6283, 39.5154,
36.0672

■ 43.7355, 45.0420,
45.7219

■ 48.3361, 51.1506,
56.7895

Harmonies

Analogous

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



27.6253, 15.5242, 8.6139



23.0970, 15.5242, 2.5897



16.9125, 15.5242, 1.0497

Triad

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



23.0970, 15.5242, 2.5897



6.4364, 15.5242, 11.6636



18.6132, 15.5242, 66.8293

Complementary

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



23.0970, 15.5242, 2.5897



18.1263, 21.3767, 50.1843

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.



12.7898, 15.5242, 69.7559



23.0970, 15.5242, 2.5897



6.6709, 15.5242, 29.3001

Square

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



23.0970, 15.5242, 2.5897



7.9594, 15.5242, 3.6012



8.7112, 15.5242, 53.1376



24.6129, 15.5242, 46.6561

Rectangle

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



23.0970, 15.5242, 2.5897



13.0993, 15.5242, 1.0232



8.7112, 15.5242, 53.1376



16.5453, 15.5242, 70.1956

Sweetspot

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



23.0973, 15.5251, 2.5900



65.2572, 62.9667, 51.5028



25.3728, 13.0068, 25.1422



13.9073, 13.2268, 10.3015



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.



23.0973, 15.5251, 2.5900



39.2432, 24.0003, 2.5642



32.2367, 33.8039, 5.6364



9.7658, 10.0075, 9.9936



15.2257, 9.4902, 1.0293



0.6564, 0.4917, 0.0603

Inverse Universe

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



18.1263, 21.3767, 50.1843



29.8663, 34.0293, 89.1956



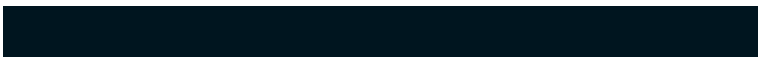
10.7275, 6.5791, 47.7180



9.5514, 10.2952, 12.1560



11.6412, 13.3942, 34.3647



0.5118, 0.6362, 1.3647

Previews

White Background



This preview shows how the XYZ color 23.0970, 15.5242, 2.5897 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 23.0970, 15.5242, 2.5897 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 23.0970, 15.5242, 2.5897

Background



This preview shows how black text looks on a background with the XYZ color 23.0970, 15.5242, 2.5897.



This preview shows how white text looks on a background with the XYZ color 23.0970, 15.5242,

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

23.0970, 15.5242, 2.5897

Protanopia

14.2573, 15.7582, 3.6567

Tritanopia

24.3170, 15.5561, 8.0243

Trichromacy



Original Color

23.0970, 15.5242, 2.5897

Protanomaly

16.6221, 15.0271, 3.1868

Tritanomaly

23.6819, 15.4737, 5.3530

Monochromacy



Original Color

23.0970, 15.5242, 2.5897

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.7026, 13.1219, 8.0612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0970, 15.5242, 2.5897 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, 74, 23)` looks like.

```
.text, #text, p{  
  color:rgb(187, 74, 23)  
}
```

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, 74, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 74, 23) }
```

Border

The CSS property to change the border of an element to XYZ 23.0970, 15.5242, 2.5897 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, 74, 23) }
```

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

```
.border{ border-color:rgb(187, 74, 23) }
```

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

Here you see how a box with a 4 pixel rgb(187, 74, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 74, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 74, 23);  
box-shadow:4px 4px 4px 4px rgb(187, 74,  
23) }
```


Background

The CSS property to change the background color of an element to XYZ 23.0970, 15.5242, 2.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 74, 23) }
```

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

```
.background{ background-color: rgb(187, 74,  
23) }
```

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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