

Converting Colors

XYZ(23.3979, 15.9146, 2.3360)

Have a look what the booklet for
XYZ(23.3979, 15.9146, 2.3360)
contains.

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Color

**XYZ(23.4170, 15.8977,
2.3246)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4C10
RGB	188, 76, 16
RGB Percent	74%, 30%, 6%
CMY	0.2627, 0.7019, 0.9372
CMYK	0.00, 0.60, 0.91, 0.26
HSL	21°, 84%, 40%
HSV	21°, 91%, 74%
XYZ	23.4170, 15.8977, 2.3246
YIQ	102.6480, 86.0120, 5.0840

Conversions

Conversions Part 2

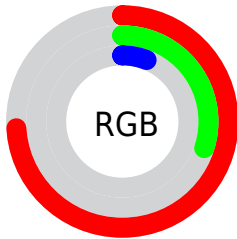
Format	Color
R_{YB}	188, 108, 16
Decimal	12340240
CIE _{Lab}	46.84, 42.59, 52.86
CIE _{LCh}	47, 67.883, 51.144
Yxy	15.8977, 0.5624, 0.3818
Android (android.graphics.Color)	4290530320 (0xFFBC4C10)
YUV	102.6480, -42.7175, 74.8537
Hunter-Lab	39.8719, 35.0582, 24.4536

Details

The XYZ color **23.4170, 15.8977, 2.3246** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.0093, 19.1781, 50.3817**, and the grayscale version is **12.8932, 13.5646, 14.7719**.

A 20% lighter version of the original color is **48.5462, 36.3649, 9.9293**, and **9.0393, 5.0858, 0.5052** is the 20% darker color. If you saturate the color by 10%, you get **22.6630, 14.5396, 1.6120**, and if you desaturate by 10%, it is **24.5495, 17.8318, 3.7228**.

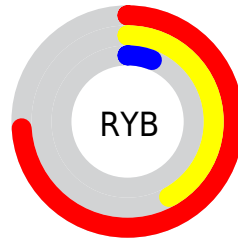
Distribution



Red (74%)

Green (30%)

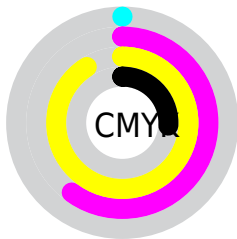
Blue (6%)



Red (74%)

Yellow (42%)

Blue (6%)

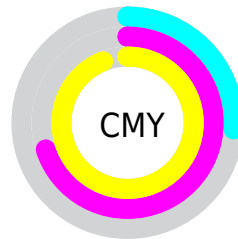


Cyan (0%)

Magenta (60%)

Yellow (91%)

Black (26%)



Cyan (26%)

Magenta (70%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4170, 15.8977, 2.3246 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 23.4170, 15.8977, 2.3246 by changing the saturation by 10% instead.

■ 23.4170, 15.8977,
2.3246

■ 23.4170, 15.8977,
2.3246

262.3551,
228.7373, 127.2294

■ 15.0241, 9.4518,
0.7450

■ 48.5388, 36.4205,
9.9106

■ 8.9227, 5.0370,
0.0000

■ 65.9984, 51.2662,
16.7703

■ 4.7475, 2.2690,
0.0000

■ 87.2109, 69.6806,
26.2324

■ 2.1331, 0.7572,
0.0000

■ 112.5417, 92.0482,
38.7156

■ 0.7071, 0.0000,
0.0000


■ 142.3562,
118.7532, 54.6384


■ 0.0000, 0.0000,
0.0000


■ 177.0197,


150.1801, 74.4192


 216.8976,
186.7134, 98.4767


 23.4170, 15.8977,
2.3246


 23.4170, 15.8977,
2.3246


 22.6630, 14.5396,
1.6120

 24.5495, 17.8318,
3.7228

 25.9997, 20.1625,
5.9628

 27.7969, 22.9148,
9.1580

 29.9661, 26.1103,
13.4040

 32.5295, 29.7692,
18.7843

■ 35.5077, 33.9101,
25.3741

■ 38.9196, 38.5505,
33.2422

■ 42.7827, 43.7071,
42.4519

■ 47.1137, 49.3956,
53.0624

Harmonies

Analogous

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



28.3759, 15.8977, 8.0263



23.4170, 15.8977, 2.3246



16.9277, 15.8977, 0.9568

Triad

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



23.4170, 15.8977, 2.3246



6.4353, 15.8977, 12.7684



19.5898, 15.8977, 68.8429

Complementary

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



23.4170, 15.8977, 2.3246



17.0093, 19.1781, 50.3817

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.



13.4279, 15.8977, 73.4674



23.4170, 15.8977, 2.3246



6.7982, 15.8977, 31.8982

Square

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



23.4170, 15.8977, 2.3246



7.8777, 15.8977, 3.8699



9.0448, 15.8977, 57.0189



25.7960, 15.8977, 46.7969

Rectangle

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



23.4170, 15.8977, 2.3246



13.0192, 15.8977, 0.9899



9.0448, 15.8977, 57.0189



17.4141, 15.8977, 72.8777

Sweetspot

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



23.4173, 15.8986, 2.3249



66.7581, 64.7491, 51.4703



24.9984, 12.6916, 22.4869



13.9182, 13.3252, 10.0691



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.



23.4173, 15.8986, 2.3249



40.8668, 25.9372, 2.8525



33.2879, 35.6397, 5.6150



9.7951, 10.0662, 10.0033



15.4939, 10.0265, 1.1187



0.6691, 0.5171, 0.0645

Inverse Universe

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



17.0093, 19.1781, 50.3817



28.9174, 31.5133, 90.7848



10.2166, 5.5926, 48.1175



9.5208, 10.2339, 12.1458



11.0248, 12.1614, 34.1592



0.4909, 0.5945, 1.3577

Previews

White Background



This preview shows how the XYZ color 23.4170, 15.8977, 2.3246 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 23.4170, 15.8977, 2.3246 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 23.4170, 15.8977, 2.3246

Background



This preview shows how black text looks on a background with the XYZ color 23.4170, 15.8977, 2.3246.



This preview shows how white text looks on a background with the XYZ color 23.4170, 15.8977,

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

23.4170, 15.8977, 2.3246

Protanopia

14.5848, 16.0985, 3.3159

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

24.7584, 15.9616, 8.4326

Trichromacy



Original Color

23.4170, 15.8977, 2.3246

Protanomaly

17.0011, 15.3712, 2.8299

Deuteranomaly

18.2256, 15.4667, 2.1971

Tritanomaly

24.0347, 15.8502, 5.2827

Monochromacy



Original Color

23.4170, 15.8977, 2.3246

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.8832, 13.3520, 7.7540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4170, 15.8977, 2.3246 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(188, 76, 16)` looks like.

```
.text, #text, p{  
    color:rgb(188, 76, 16)  
}
```

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(188, 76, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 76, 16) }
```

Border

The CSS property to change the border of an element to XYZ 23.4170, 15.8977, 2.3246 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(188, 76, 16) }
```


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

```
.border{ border-color:rgb(188, 76, 16) }
```

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

Here you see how a box with a 4 pixel rgb(188, 76, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 76, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 76, 16);  
box-shadow:4px 4px 4px 4px rgb(188, 76,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4170, 15.8977, 2.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 76, 16) }
```

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

```
.background{ background-color: rgb(188, 76,  
16) }
```

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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