

Converting Colors

XYZ(22.9291, 15.4939, 0.0000)

Have a look what the booklet for
XYZ(22.9291, 15.4939, 0.0000)
contains.

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Color

**XYZ(23.1878, 15.5889,
1.7868)**

Conversions

Conversions Part 1

Format	Color
Hex	BC4A00
RGB	188, 74, 0
RGB Percent	74%, 29%, 0%
CMY	0.2627, 0.7098, 1.0000
CMYK	0.00, 0.61, 1.00, 0.26
HSL	24°, 100%, 37%
HSV	24°, 100%, 74%
XYZ	23.1878, 15.5889, 1.7868
YIQ	99.6500, 91.6980, 1.1540

Conversions

Conversions Part 2

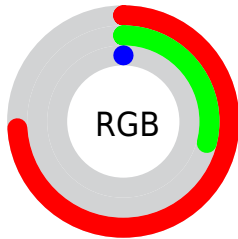
Format	Color
RYB	188, 122, 0
Decimal	12339712
CIELab	46.43, 43.33, 56.81
CIELCh	46, 71.450, 52.671
Yxy	15.5889, 0.5716, 0.3843
Android (android.graphics.Color)	4290529792 (0xFFBC4A00)
YUV	99.6500, -49.1274, 77.4830
Hunter-Lab	39.4828, 35.7362, 24.9548

Details

The XYZ color **23.1878, 15.5889, 1.7868** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.0938, 15.6642, 49.8045**, and the grayscale version is **12.1293, 12.7610, 13.8967**.

A 20% lighter version of the original color is **48.0082, 35.7364, 8.3705**, and **8.8371, 4.9014, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **23.1880, 15.5896, 1.7869**, and if you desaturate by 10%, it is **24.1353, 17.2988, 2.6742**.

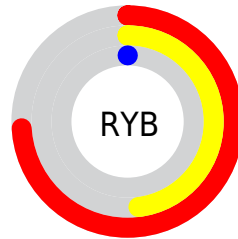
Distribution



Red (74%)

Green (29%)

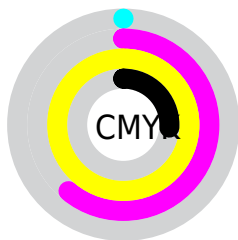
Blue (0%)



Red (74%)

Yellow (48%)

Blue (0%)

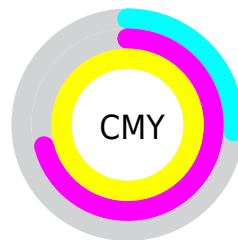


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (71%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1878, 15.5889, 1.7868 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 23.1878, 15.5889, 1.7868 by changing the saturation by 10% instead.


 23.1878, 15.5889,
1.7868


 23.1878, 15.5889,
1.7868


 261.2055,
226.9035, 118.9731


 14.8537, 9.2337,
0.4192


 48.1659, 35.8830,
8.4493


 8.8024, 4.8939,
0.0000


 65.5406, 50.5908,
14.6775


 4.6686, 2.1852,
0.0000

 86.6596, 68.8515,
23.3952

 2.0869, 0.7119,
0.0000

 111.8881, 91.0496,
35.0207


 0.6821, 0.0000,
0.0000


 141.5916,
117.5694, 49.9728


 0.0000, 0.0000,
0.0000


 176.1355,


148.7954, 68.6698


 215.8850,
185.1120, 91.5304


 23.1878, 15.5889,
1.7868


 23.1878, 15.5889,
1.7868


 23.1880, 15.5896,
1.7869

 24.1353, 17.2988,
2.6742

 25.3391, 19.3422,
4.1982

 26.8468, 21.7492,
6.5762

 28.6848, 24.5401,
9.9178

 30.8762, 27.7331,
14.3158

■ 33.4415, 31.3453,
19.8521

■ 36.3996, 35.3925,
26.6002

■ 39.7679, 39.8895,
34.6275

■ 43.5628, 44.8505,
43.9965

Harmonies

Analogous

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



28.5933, 15.5889, 6.9944



23.1878, 15.5889, 1.7868



16.3740, 15.5889, 0.6422

Triad

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



23.1878, 15.5889, 1.7868



5.9230, 15.5889, 13.0166



19.8473, 15.5889, 71.1672

Complementary

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



23.1878, 15.5889, 1.7868



15.0938, 15.6642, 49.8045

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.



13.3616, 15.5889, 77.4144



23.1878, 15.5889, 1.7868



6.3766, 15.5889, 33.6195

Square

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



23.1878, 15.5889, 1.7868



7.2739, 15.5889, 3.6203



8.7504, 15.5889, 60.5340



26.3225, 15.5889, 46.8277

Rectangle

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



23.1878, 15.5889, 1.7868



12.3758, 15.5889, 0.7231



8.7504, 15.5889, 60.5340



17.5594, 15.5889, 75.9197

Sweetspot

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



23.1881, 15.5898, 1.7871



65.6883, 63.7641, 47.5538



23.8874, 11.9507, 17.5505



13.6239, 13.0295, 9.0679



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.



23.1881, 15.5898, 1.7871



41.8027, 27.8091, 3.1644



34.3872, 37.9878, 5.5201



9.8300, 10.1359, 10.0150



15.8557, 10.7502, 1.2393



0.6851, 0.5492, 0.0699

Inverse Universe

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



15.0938, 15.6642, 49.8045



27.1091, 27.8968, 90.1820



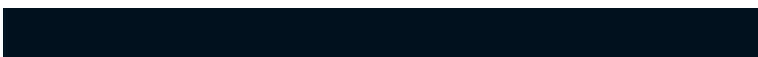
9.3627, 4.2022, 47.8942



9.4848, 10.1618, 12.1337



10.3507, 10.8130, 33.9345



0.4675, 0.5476, 1.3499

Previews

White Background



This preview shows how the XYZ color 23.1878, 15.5889, 1.7868 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 23.1878, 15.5889, 1.7868 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 23.1878, 15.5889, 1.7868

Background



This preview shows how black text looks on a background with the XYZ color 23.1878, 15.5889, 1.7868.



This preview shows how white text looks on a background with the XYZ color 23.1878, 15.5889,

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

23.1878, 15.5889, 1.7868

Protanopia

14.2594, 15.7759, 2.9096

Deuteranopia

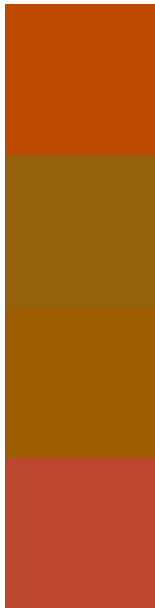
15.8668, 15.6786, 2.1900



Tritanopia

24.5659, 15.6844, 8.0360

Trichromacy



Original Color

23.1878, 15.5889, 1.7868

Protanomaly

16.6468, 15.0578, 2.3769

Deuteranomaly

17.9073, 15.1735, 1.9850

Tritanomaly

23.7326, 15.5226, 4.3301

Monochromacy



Original Color

23.1878, 15.5889, 1.7868

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.1822, 12.7579, 6.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1878, 15.5889, 1.7868 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, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 74, 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(188, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 74, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1878, 15.5889, 1.7868 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, 74, 0) }
```


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

```
.border{ border-color:rgb(188, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 74, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.1878, 15.5889, 1.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 74, 0) }
```

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

```
.background{ background-color: rgb(188, 74,  
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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