

Converting Colors

XYZ(23.2000, 18.9742, 2.4396)

Have a look what the booklet for
XYZ(23.2000, 18.9742, 2.4396)
contains.

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Color

**XYZ(23.1115, 18.9677,
2.4430)**

Conversions

Conversions Part 1

Format	Color
Hex	B26600
RGB	178, 102, 0
RGB Percent	70%, 40%, 0%
CMY	0.3020, 0.6000, 1.0000
CMYK	0.00, 0.43, 1.00, 0.30
HSL	34°, 100%, 35%
HSV	34°, 100%, 70%
XYZ	23.1115, 18.9677, 2.4430
YIQ	113.0960, 78.0380, -15.6100

Conversions

Conversions Part 2

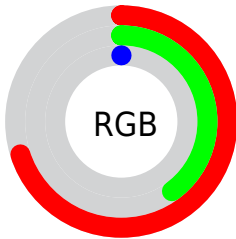
Format	Color
R_{YB}	133, 178, 0
Decimal	11691520
CIE Lab	50.65, 24.80, 58.50
CIE LCh	51, 63.542, 67.029
Yxy	18.9677, 0.5191, 0.4260
Android (android.graphics.Color)	4289881600 (0xFFB26600)
YUV	113.0960, -55.7563, 56.9208
Hunter-Lab	43.5519, 18.5079, 27.1605

Details

The XYZ color **23.1115, 18.9677, 2.4430** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.6203, 8.3832, 43.1776**, and the grayscale version is **15.8694, 16.6959, 18.1818**.

A 20% lighter version of the original color is **47.8850, 41.4921, 10.1876**, and **8.9269, 6.5603, 0.7958** is the 20% darker color. If you saturate the color by 10%, you get **23.1117, 18.9683, 2.4431**, and if you desaturate by 10%, it is **24.0010, 20.5747, 3.2703**.

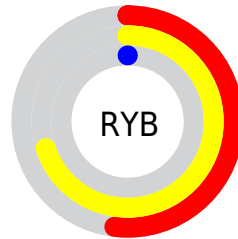
Distribution



Red (70%)

Green (40%)

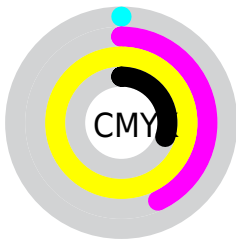
Blue (0%)



Red (52%)

Yellow (70%)

Blue (0%)

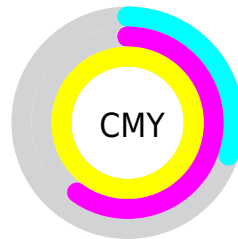


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1115, 18.9677, 2.4430 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 23.1115, 18.9677, 2.4430 by changing the saturation by 10% instead.

■ 23.1115, 18.9677,
2.4430

■ 23.1115, 18.9677,
2.4430

260.8218,
246.2704, 128.9154

■ 14.7970, 11.6469,
0.8097

■ 48.0417, 41.6795,
10.2199

■ 8.7624, 6.5038,
0.0000

■ 65.3880, 57.8394,
17.2088

■ 4.6424, 3.1537,
0.0000

■ 86.4757, 77.7144,
26.8226

■ 2.0716, 1.2125,
0.0000

■ 111.6701,
101.6889, 39.4800


■ 0.6737, 0.0719,
0.0000


■ 141.3366,
130.1474, 55.5994


■ 0.0000, 0.0000,
0.0000


■ 175.8405,


163.4742, 75.5994


 215.5471,
202.0537, 99.8986


 23.1115, 18.9677,
2.4430


 23.1115, 18.9677,
2.4430


 23.1117, 18.9683,
2.4431

 24.0010, 20.5747,
3.2703

 25.0576, 22.3602,
4.6329

 26.3208, 24.3434,
6.7287

 27.8101, 26.5348,
9.6517

 29.5420, 28.9435,
13.4819

■ 31.5313, 31.5779,
18.2894

■ 33.7916, 34.4458,
24.1376

■ 36.3351, 37.5544,
31.0844

■ 39.1733, 40.9106,
39.1835

Harmonies

Analogous

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



29.3641, 18.9677, 6.1284



23.1115, 18.9677, 2.4430



16.6037, 18.9677, 1.8970

Triad

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



23.1115, 18.9677, 2.4430



8.5711, 18.9677, 25.1350



26.2345, 18.9677, 61.8544

Complementary

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



23.1115, 18.9677, 2.4430



10.6203, 8.3832, 43.1776

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.



19.5320, 18.9677, 76.7300



23.1115, 18.9677, 2.4430



10.0651, 18.9677, 48.9178

Square

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



23.1115, 18.9677, 2.4430



9.1049, 18.9677, 9.9598



13.7510, 18.9677, 70.9804



31.4375, 18.9677, 37.1163

Rectangle

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



23.1115, 18.9677, 2.4430



13.1201, 18.9677, 2.6984



13.7510, 18.9677, 70.9804



24.0293, 18.9677, 68.6713

Sweetspot

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



23.1119, 18.9687, 2.4433



61.0529, 62.1835, 43.1703



19.7044, 10.0028, 7.9386



13.1365, 13.2868, 8.5418



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.1119, 18.9687, 2.4433



41.6793, 33.9329, 4.3530



31.6742, 39.9620, 6.0442



8.8871, 9.2867, 8.9766



16.6001, 13.6988, 1.7692



0.5787, 0.5439, 0.0745

Inverse Universe

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



10.6203, 8.3832, 43.1776



19.0414, 14.7666, 78.2278



8.1857, 3.2917, 42.3232



8.3303, 8.8068, 10.7672



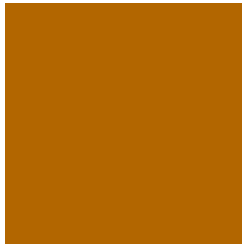
7.6587, 6.1177, 30.9142



0.2993, 0.3091, 0.9921

Previews

White Background



This preview shows how the XYZ color 23.1115, 18.9677, 2.4430 looks on a white background.

Color Contrast Check

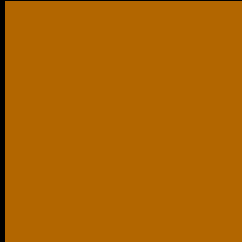
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.1115, 18.9677, 2.4430 looks on a black 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

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

XYZ 23.1115, 18.9677, 2.4430

Background



This preview shows how black text looks on a background with the XYZ color 23.1115, 18.9677, 2.4430.



This preview shows how white text looks on a background with the XYZ color 23.1115, 18.9677,

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

23.1115, 18.9677, 2.4430

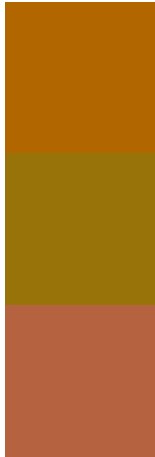
Protanopia

17.3553, 19.2691, 3.2201

Tritanopia

25.7819, 19.0888, 14.8960

Trichromacy



Original Color

23.1115, 18.9677, 2.4430

Protanomaly

19.1289, 18.9566, 2.9092

Tritanomaly

24.3779, 18.9408, 7.3721

Monochromacy



Original Color

23.1115, 18.9677, 2.4430

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.9549, 16.7235, 8.4652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1115, 18.9677, 2.4430 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(178, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 102, 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(178, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.1115, 18.9677, 2.4430 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(178, 102, 0) }
```

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

```
.border{ border-color:rgb(178, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 102,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 23.1115, 18.9677, 2.4430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 102, 0) }
```

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

```
.background{ background-color: rgb(178,  
102, 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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