

Converting Colors

XYZ(23.1655, 16.0373, 1.7368)

Have a look what the booklet for
XYZ(23.1655, 16.0373, 1.7368)
contains.

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Color

**XYZ(23.2179, 16.0136,
1.8672)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4E00
RGB	187, 78, 0
RGB Percent	73%, 31%, 0%
CMY	0.2667, 0.6941, 1.0000
CMYK	0.00, 0.58, 1.00, 0.27
HSL	25°, 100%, 37%
HSV	25°, 100%, 73%
XYZ	23.2179, 16.0136, 1.8672
YIQ	101.6990, 90.0020, -1.1500

Conversions

Conversions Part 2

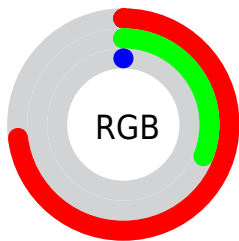
Format	Color
R_{YB}	187, 134, 0
Decimal	12275200
CIE Lab	46.99, 41.04, 57.03
CIE LCh	47, 70.264, 54.262
Yxy	16.0136, 0.5649, 0.3896
Android (android.graphics.Color)	4290465280 (0xFFBB4E00)
YUV	101.6990, -50.1376, 74.8090
Hunter-Lab	40.0170, 33.5361, 25.2454

Details

The XYZ color **23.2179, 16.0136, 1.8672** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.4377, 14.5241, 49.0557**, and the grayscale version is **12.6616, 13.3210, 14.5066**.

A 20% lighter version of the original color is **48.1964, 36.6050, 8.6629**, and **8.9736, 5.1744, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **23.2181, 16.0142, 1.8673**, and if you desaturate by 10%, it is **24.1730, 17.7399, 2.7530**.

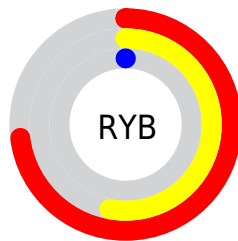
Distribution



Red (73%)

Green (31%)

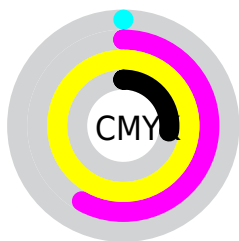
Blue (0%)



Red (73%)

Yellow (53%)

Blue (0%)

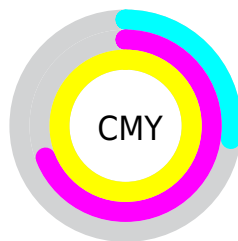


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (69%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.2179, 16.0136, 1.8672 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 23.2179, 16.0136, 1.8672 by changing the saturation by 10% instead.


 23.2179, 16.0136,
1.8672


 23.2179, 16.0136,
1.8672


 261.3567,
229.4220, 120.2794


 14.8761, 9.5338,
0.4717


 48.2149, 36.6218,
8.6745


 8.8182, 5.0910,
0.0000


 65.6008, 51.5190,
15.0024


 4.6789, 2.3007,
0.0000

 86.7320, 69.9907,
23.8380

 2.0930, 0.7741,
0.0000

 111.9741, 92.4215,
35.5998


 0.6854, 0.0000,
0.0000


 141.6922,
119.1956, 50.7063


 0.0000, 0.0000,
0.0000


 176.2517,


150.6974, 69.5760


 216.0181,
187.3114, 92.6275


 23.2179, 16.0136,
1.8672


 23.2179, 16.0136,
1.8672


 23.2181, 16.0142,
1.8673

 24.1730, 17.7399,
2.7530

 25.3722, 19.7780,
4.2639

 26.8620, 22.1559,
6.6153

 28.6677, 24.8922,
9.9150

 30.8112, 28.0035,
14.2543

■ 33.3124, 31.5054,
19.7138

■ 36.1891, 35.4121,
26.3659

■ 39.4580, 39.7372,
34.2770

■ 43.1347, 44.4937,
43.5083

Harmonies

Analogous

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



28.7345, 16.0136, 6.8998



23.2179, 16.0136, 1.8672



16.4328, 16.0136, 0.7767

Triad

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



23.2179, 16.0136, 1.8672



6.2308, 16.0136, 14.2666



20.6103, 16.0136, 70.0625

Complementary

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



23.2179, 16.0136, 1.8672



14.4377, 14.5241, 49.0557

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.



14.0693, 16.0136, 77.4324



23.2179, 16.0136, 1.8672



6.7895, 16.0136, 35.3654

Square

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



23.2179, 16.0136, 1.8672



7.5029, 16.0136, 4.1984



9.3094, 16.0136, 61.8535



26.9673, 16.0136, 45.6119

Rectangle

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



23.2179, 16.0136, 1.8672



12.4912, 16.0136, 0.9035



9.3094, 16.0136, 61.8535



18.3209, 16.0136, 75.0967

Sweetspot

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



23.2182, 16.0145, 1.8675



64.5484, 63.0658, 46.5906



23.2582, 11.6707, 15.5186



13.7186, 13.2189, 9.0995



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.



23.2182, 16.0145, 1.8675



41.3626, 28.2392, 3.2707



35.1350, 39.8480, 5.8397



9.8484, 10.1727, 10.0211



16.0655, 11.1699, 1.3093



0.6940, 0.5670, 0.0729

Inverse Universe

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



14.4377, 14.5241, 49.0557



25.6186, 25.5338, 87.7797



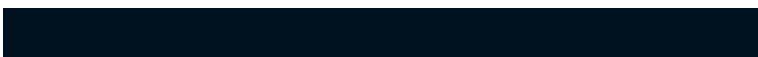
9.1488, 3.9463, 47.2928



9.4659, 10.1242, 12.1275



10.0203, 10.1523, 33.8244



0.4557, 0.5241, 1.3460

Previews

White Background



This preview shows how the XYZ color 23.2179, 16.0136, 1.8672 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 23.2179, 16.0136, 1.8672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

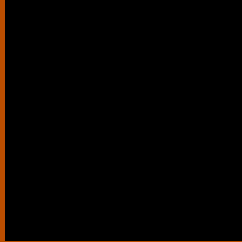
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2179, 16.0136, 1.8672

Background



This preview shows how black text looks on a background with the XYZ color 23.2179, 16.0136, 1.8672.



This preview shows how white text looks on a background with the XYZ color 23.2179, 16.0136,

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

23.2179, 16.0136, 1.8672

Protanopia

14.5075, 16.0676, 2.9090

Deuteranopia

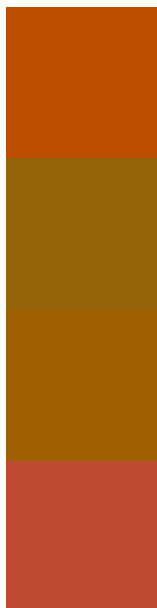
16.3094, 16.0589, 2.2401



Tritanopia

24.7084, 16.1197, 8.8303

Trichromacy



Original Color

23.2179, 16.0136, 1.8672

Protanomaly

16.8303, 15.4344, 2.4087

Deuteranomaly

18.2834, 15.6348, 2.0542

Tritanomaly

23.8095, 15.9453, 4.7286

Monochromacy



Original Color

23.2179, 16.0136, 1.8672

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.5414, 13.1969, 6.7819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2179, 16.0136, 1.8672 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, 78, 0)` looks like.

```
.text, #text, p{  
  color:rgb(187, 78, 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(187, 78, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 78, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2179, 16.0136, 1.8672 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, 78, 0) }
```


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

```
.border{ border-color:rgb(187, 78, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 78, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 78, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 78, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 78, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2179, 16.0136, 1.8672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 78, 0) }
```

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

```
.background{ background-color: rgb(187, 78,  
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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