

Converting Colors

XYZ(23.6909, 16.6109, 2.1666)

Have a look what the booklet for
XYZ(23.6909, 16.6109, 2.1666)
contains.

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Color

**XYZ(23.7198, 16.5916,
2.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5107
RGB	188, 81, 7
RGB Percent	74%, 32%, 3%
CMY	0.2627, 0.6823, 0.9725
CMYK	0.00, 0.57, 0.96, 0.26
HSL	25°, 93%, 38%
HSV	25°, 96%, 74%
XYZ	23.7198, 16.5916, 2.1533
YIQ	104.5570, 87.5260, -0.3300

Conversions

Conversions Part 2

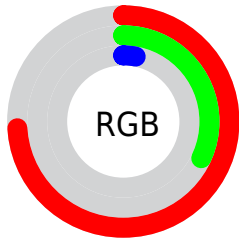
Format	Color
RYB	188, 132, 7
Decimal	12341511
CIELab	47.74, 40.05, 55.81
CIElCh	48, 68.695, 54.339
Yxy	16.5916, 0.5586, 0.3907
Android (android.graphics.Color)	4290531591 (0xFFBC5107)
YUV	104.5570, -48.0956, 73.1795
Hunter-Lab	40.7328, 32.6630, 25.3786

Details

The XYZ color **23.7198, 16.5916, 2.1533** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.1813, 15.7094, 49.8085**, and the grayscale version is **13.4174, 14.1162, 15.3725**.

A 20% lighter version of the original color is **49.0966, 37.6545, 9.5308**, and **9.1918, 5.3908, 0.5561** is the 20% darker color. If you saturate the color by 10%, you get **23.3835, 15.9805, 1.8521**, and if you desaturate by 10%, it is **24.7607, 18.4401, 3.2200**.

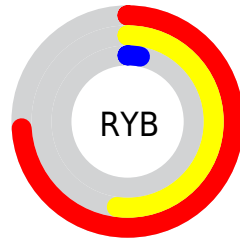
Distribution



Red (74%)

Green (32%)

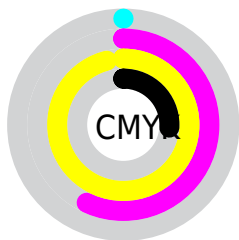
Blue (3%)



Red (74%)

Yellow (52%)

Blue (3%)

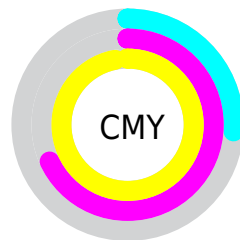


Cyan (0%)

Magenta (57%)

Yellow (96%)

Black (26%)



Cyan (26%)

Magenta (68%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7198, 16.5916, 2.1533 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 23.7198, 16.5916, 2.1533 by changing the saturation by 10% instead.

■ 23.7198, 16.5916,
2.1533

■ 23.7198, 16.5916,
2.1533

263.8676,
232.8078, 124.7136

■ 15.2495, 9.9437,
0.6472

■ 49.0306, 37.6222,
9.4558

■ 9.0821, 5.3617,
0.0000

■ 66.6018, 52.7738,
16.1228

■ 4.8523, 2.4610,
0.0000

■ 87.9373, 71.5288,
25.3584

■ 2.1947, 0.8570,
0.0000

■ 113.4026, 94.2715,
37.5811


■ 0.7400, 0.0000,
0.0000


■ 143.3629,
121.3863, 53.2094


■ 0.0000, 0.0000,
0.0000


■ 178.1836,


153.2577, 72.6619


 218.2300,
190.2701, 96.3571


 23.7198, 16.5916,
2.1533


 23.7198, 16.5916,
2.1533


 23.3835, 15.9805,
1.8521

 24.7607, 18.4401,
3.2200

 26.0784, 20.6247,
5.0491

 27.7038, 23.1676,
7.7734

 29.6615, 26.0874,
11.4951

 31.9730, 29.4010,
16.3023

■ 34.6577, 33.1240,
22.2733

■ 37.7336, 37.2710,
29.4791

■ 41.2173, 41.8559,
37.9851

■ 45.1243, 46.8919,
47.8518

Harmonies

Analogous

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



29.1889, 16.5916, 7.3914



23.7198, 16.5916, 2.1533



16.9656, 16.5916, 0.9755

Triad

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



23.7198, 16.5916, 2.1533



6.6846, 16.5916, 14.9258



21.1646, 16.5916, 69.8469

Complementary

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



23.7198, 16.5916, 2.1533



15.1813, 15.7094, 49.8085

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.



14.6316, 16.5916, 77.0943



23.7198, 16.5916, 2.1533



7.2611, 16.5916, 35.9332

Square

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



23.7198, 16.5916, 2.1533



7.9793, 16.5916, 4.6386



9.8302, 16.5916, 61.9348



27.4651, 16.5916, 45.8860

Rectangle

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



23.7198, 16.5916, 2.1533



13.0179, 16.5916, 1.1083



9.8302, 16.5916, 61.9348



18.8846, 16.5916, 74.7758

Sweetspot

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



23.7202, 16.5925, 2.1536



66.5246, 65.0589, 48.9977



23.9440, 12.0949, 17.4740



13.7963, 13.3030, 9.3451



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.



23.7202, 16.5925, 2.1536



42.1525, 28.5086, 3.2810



35.1331, 39.4184, 5.9579



9.8419, 10.1597, 10.0189



15.9901, 11.0190, 1.2841



0.6909, 0.5607, 0.0718

Inverse Universe

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



15.1813, 15.7094, 49.8085



26.5317, 26.7420, 89.9896



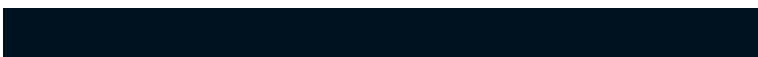
9.5145, 4.3756, 47.9196



9.4726, 10.1374, 12.1297



10.1348, 10.3813, 33.8625



0.4598, 0.5323, 1.3474

Previews

White Background



This preview shows how the XYZ color 23.7198, 16.5916, 2.1533 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 23.7198, 16.5916, 2.1533 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 23.7198, 16.5916, 2.1533

Background



This preview shows how black text looks on a background with the XYZ color 23.7198, 16.5916, 2.1533.



This preview shows how white text looks on a background with the XYZ color 23.7198, 16.5916,

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

23.7198, 16.5916, 2.1533

Protanopia

15.0369, 16.6708, 3.0414

Tritanopia

25.1992, 16.5585, 9.4574

Trichromacy



Original Color

23.7198, 16.5916, 2.1533

Protanomaly

17.4153, 16.0213, 2.6265

Tritanomaly

24.2827, 16.3836, 5.2507

Monochromacy



Original Color

23.7198, 16.5916, 2.1533

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.2487, 13.9463, 7.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7198, 16.5916, 2.1533 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, 81, 7)` looks like.

```
.text, #text, p{  
    color:rgb(188, 81, 7)  
}
```

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, 81, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 81, 7) }
```

Border

The CSS property to change the border of an element to XYZ 23.7198, 16.5916, 2.1533 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, 81, 7) }
```

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

```
.border{ border-color:rgb(188, 81, 7) }
```

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

Here you see how a box with a 4 pixel rgb(188, 81, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 81, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 81, 7);  
box-shadow:4px 4px 4px 4px rgb(188, 81, 7)  
}
```


Background

The CSS property to change the background color of an element to XYZ 23.7198, 16.5916, 2.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 81, 7) }
```

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

```
.background{ background-color: rgb(188, 81,  
7) }
```

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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