

Converting Colors

XYZ(23.8806, 16.7178, 1.9682)

Have a look what the booklet for
XYZ(23.8806, 16.7178, 1.9682)
contains.

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Color

**XYZ(23.9287, 16.7037,
1.9630)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5100
RGB	189, 81, 0
RGB Percent	74%, 32%, 0%
CMY	0.2588, 0.6823, 1.0000
CMYK	0.00, 0.57, 1.00, 0.26
HSL	26°, 100%, 37%
HSV	26°, 100%, 74%
XYZ	23.9287, 16.7037, 1.9630
YIQ	104.0580, 90.3690, -2.2950

Conversions

Conversions Part 2

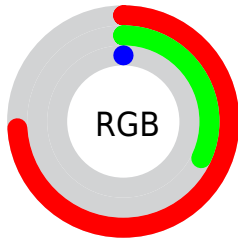
Format	Color
RYB	189, 142, 0
Decimal	12407040
CIELab	47.88, 40.35, 57.70
CIELCh	48, 70.413, 55.035
Yxy	16.7037, 0.5618, 0.3921
Android (android.graphics.Color)	4290597120 (0xFFBD5100)
YUV	104.0580, -51.3006, 74.4941
Hunter-Lab	40.8702, 32.9856, 25.7614

Details

The XYZ color **23.9287, 16.7037, 1.9630** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.5476, 14.3987, 50.1562**, and the grayscale version is **13.2906, 13.9828, 15.2273**.

A 20% lighter version of the original color is **49.3480, 37.7967, 8.9695**, and **9.3415, 5.4679, 0.5631** is the 20% darker color. If you saturate the color by 10%, you get **23.9288, 16.7042, 1.9630**, and if you desaturate by 10%, it is **24.9132, 18.4862, 2.8670**.

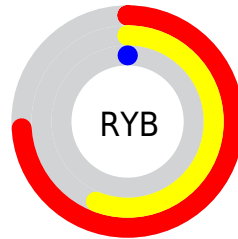
Distribution



Red (74%)

Green (32%)

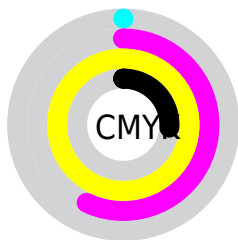
Blue (0%)



Red (74%)

Yellow (56%)

Blue (0%)

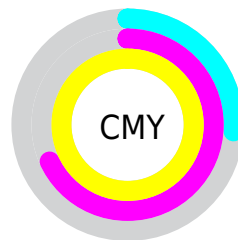


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9287, 16.7037, 1.9630 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 23.9287, 16.7037, 1.9630 by changing the saturation by 10% instead.


 23.9287, 16.7037,
1.9630

 23.9287, 16.7037,
1.9630


 264.9070,
233.4591, 121.7996


 15.4052, 10.0235,
0.5324


 49.3693, 37.8156,
8.9394

 9.1924, 5.4145,
0.0000


 67.0172, 53.0161,
15.3835

 4.9250, 2.4925,
0.0000

 88.4372, 71.8255,
24.3564

 2.2376, 0.8729,
0.0000

 113.9947, 94.6281,
36.2764


 0.7625, 0.0000,
0.0000


 144.0551,
121.8083, 51.5622


 0.0000, 0.0000,
0.0000


 178.9837,


153.7507, 70.6323


 219.1459,
190.8394, 93.9052


 23.9287, 16.7037,
1.9630


 23.9287, 16.7037,
1.9630


 23.9288, 16.7042,
1.9630

 24.9132, 18.4862,
2.8670

 26.1440, 20.5797,
4.4116

 27.6677, 23.0122,
6.8160

 29.5103, 25.8018,
10.1906

 31.6938, 28.9652,
14.6293

■ 34.2383, 32.5176,
20.2146

■ 37.1619, 36.4731,
27.0207

■ 40.4814, 40.8452,
35.1157

■ 44.2125, 45.6465,
44.5626

Harmonies

Analogous

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



29.6653, 16.7037, 7.0602



23.9287, 16.7037, 1.9630



16.9540, 16.7037, 0.8677

Triad

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



23.9287, 16.7037, 1.9630



6.5714, 16.7037, 15.3326



21.6080, 16.7037, 71.6295

Complementary

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



23.9287, 16.7037, 1.9630



14.5476, 14.3987, 50.1562

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.



14.8454, 16.7037, 79.7654



23.9287, 16.7037, 1.9630



7.2006, 16.7037, 37.3006

Square

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



23.9287, 16.7037, 1.9630



7.8410, 16.7037, 4.6272



9.8696, 16.7037, 64.3614



28.0947, 16.7037, 46.3937

Rectangle

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



23.9287, 16.7037, 1.9630



12.9220, 16.7037, 1.0187



9.8696, 16.7037, 64.3614



19.2499, 16.7037, 76.9508

Sweetspot

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



23.9291, 16.7046, 1.9633



66.2887, 64.9650, 47.7539



23.8143, 11.9501, 15.8753



13.7652, 13.3121, 9.1150



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.



23.9291, 16.7046, 1.9633



42.6299, 29.4634, 3.4402



35.9776, 40.8017, 5.9795



9.8573, 10.1907, 10.0241



16.1729, 11.3846, 1.3450



0.6985, 0.5759, 0.0744

Inverse Universe

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



14.5476, 14.3987, 50.1562



25.8115, 25.3015, 89.7495



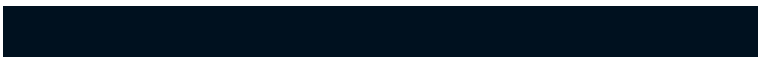
9.3670, 4.0375, 48.4293



9.4568, 10.1059, 12.1244



9.8650, 9.8418, 33.7726



0.4501, 0.5129, 1.3441

Previews

White Background



This preview shows how the XYZ color 23.9287, 16.7037, 1.9630 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 23.9287, 16.7037, 1.9630 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 23.9287, 16.7037, 1.9630

Background



This preview shows how black text looks on a background with the XYZ color 23.9287, 16.7037, 1.9630.



This preview shows how white text looks on a background with the XYZ color 23.9287, 16.7037,

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

23.9287, 16.7037, 1.9630

Protanopia

15.2932, 16.9723, 3.0422

Deuteranopia

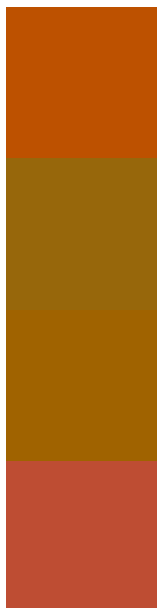
16.9702, 16.8666, 2.3611



Tritanopia

25.4499, 16.6877, 9.4691

Trichromacy



Original Color

23.9287, 16.7037, 1.9630

Protanomaly

17.6732, 16.3040, 2.5321

Deuteranomaly

18.9590, 16.3973, 2.1657

Tritanomaly

24.4866, 16.4939, 5.0250

Monochromacy



Original Color

23.9287, 16.7037, 1.9630

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.1579, 13.9100, 7.0402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9287, 16.7037, 1.9630 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(189, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 81, 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(189, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.9287, 16.7037, 1.9630 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(189, 81, 0) }
```


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

```
.border{ border-color:rgb(189, 81, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 81, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 81, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.9287, 16.7037, 1.9630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 81, 0) }
```

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

```
.background{ background-color: rgb(189, 81,  
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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