

Converting Colors

XYZ(23.3682, 16.5142, 2.4862)

Have a look what the booklet for
XYZ(23.3682, 16.5142, 2.4862)
contains.

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Color

**XYZ(23.3682, 16.5142,
2.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5211
RGB	186, 82, 17
RGB Percent	73%, 32%, 7%
CMY	0.2706, 0.6784, 0.9333
CMYK	0.00, 0.56, 0.91, 0.27
HSL	23°, 83%, 40%
HSV	23°, 91%, 73%
XYZ	23.3682, 16.5142, 2.4862
YIQ	105.6860, 82.8490, 1.8330

Conversions

Conversions Part 2

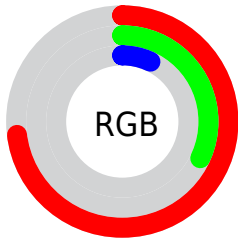
Format	Color
RYB	186, 123, 17
Decimal	12210705
CIELab	47.64, 38.91, 52.99
CIElCh	48, 65.741, 53.707
Yxy	16.5142, 0.5515, 0.3898
Android (android.graphics.Color)	4290400785 (0xFFBA5211)
YUV	105.6860, -43.7222, 70.4354
Hunter-Lab	40.6377, 31.5284, 24.8190

Details

The XYZ color **23.3682, 16.5142, 2.4862** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.9308, 17.3378, 48.9609**, and the grayscale version is **13.7142, 14.4284, 15.7126**.

A 20% lighter version of the original color is **48.3107, 37.4363, 10.3099**, and **8.9474, 5.3399, 0.5591** is the 20% darker color. If you saturate the color by 10%, you get **22.5376, 15.0151, 1.7103**, and if you desaturate by 10%, it is **24.5161, 18.4723, 3.9107**.

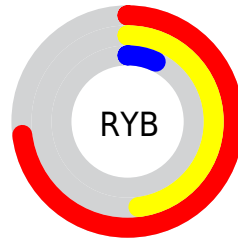
Distribution



Red (73%)

Green (32%)

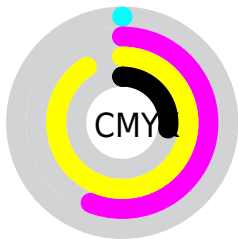
Blue (7%)



Red (73%)

Yellow (48%)

Blue (7%)

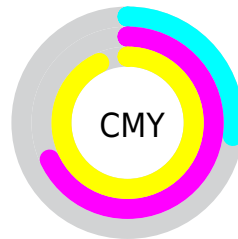


Cyan (0%)

Magenta (56%)

Yellow (91%)

Black (27%)



Cyan (27%)

Magenta (68%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3682, 16.5142, 2.4862 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 23.3682, 16.5142, 2.4862 by changing the saturation by 10% instead.

■ 23.3682, 16.5142,
2.4862

■ 23.3682, 16.5142,
2.4862

262.1107,
232.3571, 129.5206

■ 14.9878, 9.8887,
0.8328

■ 48.4594, 37.4886,
10.3319

■ 8.8971, 5.3253,
0.0000

■ 65.9010, 52.6063,
17.3671

■ 4.7307, 2.4393,
0.0000

■ 87.0936, 71.3236,
27.0354

■ 2.1233, 0.8460,
0.0000

■ 112.4027, 94.0249,
39.7552


■ 0.7018, 0.0000,
0.0000


■ 142.1936,
121.0944, 55.9450


■ 0.0000, 0.0000,
0.0000


■ 176.8317,


152.9167, 76.0235


 216.6823,
189.8761, 100.4092


 23.3682, 16.5142,
2.4862


 23.3682, 16.5142,
2.4862


 22.5376, 15.0151,
1.7103

 24.5161, 18.4723,
3.9107

 25.9613, 20.7896,
6.1594

 27.7306, 23.4875,
9.3409

 29.8469, 26.5846,
13.5469

 32.3307, 30.0980,
18.8578

■ 35.2007, 34.0437,
25.3461

■ 38.4742, 38.4367,
33.0780

■ 42.1675, 43.2914,
42.1146

■ 46.2958, 48.6213,
52.5131

Harmonies

Analogous

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



28.4619, 16.5142, 7.8656



23.3682, 16.5142, 2.4862



16.9659, 16.5142, 1.1899

Triad

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



23.3682, 16.5142, 2.4862



6.9391, 16.5142, 14.6664



20.6848, 16.5142, 66.7743

Complementary

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



23.3682, 16.5142, 2.4862



15.9308, 17.3378, 48.9609

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.



14.4916, 16.5142, 73.0339



23.3682, 16.5142, 2.4862



7.4651, 16.5142, 34.3572

Square

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



23.3682, 16.5142, 2.4862



8.2444, 16.5142, 4.8333



9.9193, 16.5142, 58.6347



26.6620, 16.5142, 44.6971

Rectangle

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



23.3682, 16.5142, 2.4862



13.1711, 16.5142, 1.3126



9.9193, 16.5142, 58.6347



18.5251, 16.5142, 71.2018

Sweetspot

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



23.3686, 16.5151, 2.4865



65.7448, 64.3313, 50.4648



23.9146, 12.2258, 19.2584



14.0487, 13.5862, 10.1126



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.



23.3686, 16.5151, 2.4865



40.6341, 26.7821, 3.0278



34.0385, 37.8550, 6.0431



9.2802, 9.5634, 9.4637



15.2305, 10.2373, 1.1733



0.5975, 0.4821, 0.0616

Inverse Universe

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



15.9308, 17.3378, 48.9609



26.8229, 27.9424, 88.1811



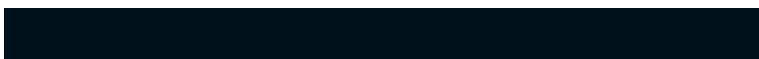
9.7469, 4.9700, 46.8996



8.9687, 9.6147, 11.4625



10.1199, 10.6994, 32.7849



0.4147, 0.4931, 1.1751

Previews

White Background



This preview shows how the XYZ color 23.3682, 16.5142, 2.4862 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 23.3682, 16.5142, 2.4862 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 23.3682, 16.5142, 2.4862

Background



This preview shows how black text looks on a background with the XYZ color 23.3682, 16.5142, 2.4862.



This preview shows how white text looks on a background with the XYZ color 23.3682, 16.5142,

2.4862.

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

23.3682, 16.5142, 2.4862

Protanopia

15.1059, 16.6984, 3.4042

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

24.8087, 16.4543, 9.6530

Trichromacy



Original Color

23.3682, 16.5142, 2.4862

Protanomaly

17.3005, 15.9542, 2.9782

Deuteranomaly

18.7928, 16.3078, 2.3295

Tritanomaly

23.9816, 16.3191, 5.8889

Monochromacy



Original Color

23.3682, 16.5142, 2.4862

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.5024, 14.1947, 8.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3682, 16.5142, 2.4862 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(186, 82, 17)` looks like.

```
.text, #text, p{  
    color:rgb(186, 82, 17)  
}
```

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(186, 82, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 82, 17) }
```

Border

The CSS property to change the border of an element to XYZ 23.3682, 16.5142, 2.4862 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(186, 82, 17) }
```


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

```
.border{ border-color:rgb(186, 82, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 82, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 82, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 82, 17);  
box-shadow:4px 4px 4px 4px rgb(186, 82,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3682, 16.5142, 2.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 82, 17) }
```

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

```
.background{ background-color: rgb(186, 82,  
17) }
```

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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