

Converting Colors

XYZ(23.3672, 18.4992, 4.9633)

Have a look what the booklet for
XYZ(23.3672, 18.4992, 4.9633)
contains.

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Color

**XYZ(23.4512, 18.5163,
4.9228)**

Conversions

Conversions Part 1

Format	Color
Hex	B3622E
RGB	179, 98, 46
RGB Percent	70%, 38%, 18%
CMY	0.2980, 0.6157, 0.8196
CMYK	0.00, 0.45, 0.74, 0.30
HSL	23°, 59%, 44%
HSV	23°, 74%, 70%
XYZ	23.4512, 18.5163, 4.9228
YIQ	116.2910, 64.9680, 1.0000

Conversions

Conversions Part 2

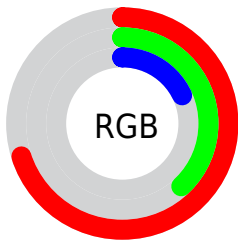
Format	Color
R _Y B	179, 131, 46
Decimal	11756078
CIE Lab	50.12, 28.62, 42.74
CIE LCh	50, 51.440, 56.198
Yxy	18.5163, 0.5001, 0.3949
Android (android.graphics.Color)	4289946158 (0xFFB3622E)
YUV	116.2910, -34.6535, 54.9958
Hunter-Lab	43.0306, 21.9771, 23.3385

Details

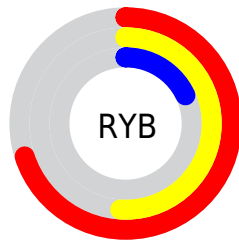
The XYZ color **23.4512, 18.5163, 4.9228** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.8523, 19.0132, 45.4292**, and the grayscale version is **16.7795, 17.6533, 19.2245**.

A 20% lighter version of the original color is **48.5685, 40.9896, 16.1784**, and **9.0258, 6.3462, 0.7492** is the 20% darker color. If you saturate the color by 10%, you get **22.2177, 16.5013, 3.1191**, and if you desaturate by 10%, it is **24.9715, 20.8700, 7.5480**.

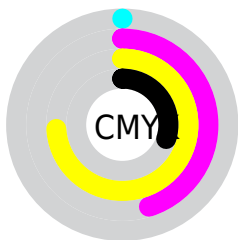
Distribution



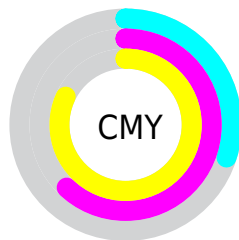
- Red (70%)
- Green (38%)
- Blue (18%)



- Red (70%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (30%)





- Cyan (30%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4512, 18.5163, 4.9228 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 23.4512, 18.5163, 4.9228 by changing the saturation by 10% instead.


 23.4512, 18.5163,
4.9228


 23.4512, 18.5163,
4.9228


262.5263,
243.7653, 157.9881


 15.0495, 11.3213,
2.1441


 48.5944, 40.9151,
16.0876


 8.9407, 6.2834,
0.6418


 66.0666, 56.8878,
25.3107


 4.7593, 3.0181,
0.0000

 87.2931, 76.5551,
37.5191

 2.1401, 1.1412,
0.0000

 112.6391,
100.3014, 53.1312

 0.7109, 0.0129,
0.0000

 142.4701,
128.5112, 72.5656

 0.0000, 0.0000,
0.0000

 177.1514,

161.5689, 96.2409

217.0484,
199.8588, 124.5755

■ 23.4512, 18.5163,
4.9228

■ 23.4512, 18.5163,
4.9228

■ 22.2177, 16.5013,
3.1191

■ 24.9715, 20.8700,
7.5480

■ 21.2446, 14.8030,
2.0305

■ 26.7990, 23.5764,
11.0814

■ 20.7798, 13.9628,
1.5999

■ 28.9532, 26.6522,
15.5994

■ 31.4515, 30.1120,
21.1702

■ 34.3100, 33.9694,
27.8557

■ 37.5435, 38.2373,
35.7130

■ 41.1660, 42.9280,
44.7952

■ 45.1909, 48.0533,
55.1522

■ 49.6306, 53.6245,
66.8312

Harmonies

Analogous

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



27.6099, 18.5163, 10.3530



23.4512, 18.5163, 4.9228



18.2388, 18.5163, 3.3496

Triad

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



23.4512, 18.5163, 4.9228



9.7000, 18.5163, 18.4048



22.1505, 18.5163, 55.9045

Complementary

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



23.4512, 18.5163, 4.9228



16.8523, 19.0132, 45.4292

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.



16.9748, 18.5163, 61.4964



23.4512, 18.5163, 4.9228



10.3583, 18.5163, 34.7699

Square

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



23.4512, 18.5163, 4.9228



10.8085, 18.5163, 8.4700



12.8120, 18.5163, 52.4078



26.7654, 18.5163, 39.4759

Rectangle

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



23.4512, 18.5163, 4.9228



15.0724, 18.5163, 3.6685



12.8120, 18.5163, 52.4078



20.3937, 18.5163, 59.3691

Sweetspot

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



23.4516, 18.5173, 4.9231



62.5128, 62.2552, 52.4372



23.4647, 13.0967, 21.7191



13.5247, 13.3597, 10.8403



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.



23.4516, 18.5173, 4.9231



38.6590, 27.6023, 4.2399



32.2665, 36.1471, 7.8614



8.7598, 9.0322, 8.9342



14.7436, 9.9857, 1.1504



0.5216, 0.4295, 0.0554

Inverse Universe

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



16.8523, 19.0132, 45.4292



26.1010, 28.2713, 80.4624



10.9600, 7.2286, 43.4651



8.4581, 9.0625, 10.8098



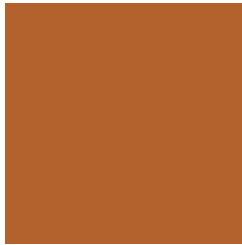
9.6795, 10.1594, 31.5878



0.3593, 0.4292, 1.0121

Previews

White Background



This preview shows how the XYZ color 23.4512, 18.5163, 4.9228 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 23.4512, 18.5163, 4.9228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

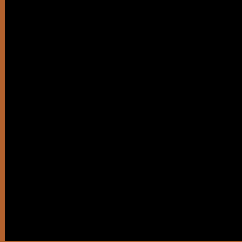
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4512, 18.5163, 4.9228

Background



This preview shows how black text looks on a background with the XYZ color 23.4512, 18.5163, 4.9228.



This preview shows how white text looks on a background with the XYZ color 23.4512, 18.5163,

4.9228.

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

23.4512, 18.5163, 4.9228

Protanopia

17.0092, 18.6674, 5.9555

Deuteranopia

18.9952, 18.6788, 4.7020



Tritanopia

25.3707, 18.5002, 14.0381

Trichromacy



Original Color

23.4512, 18.5163, 4.9228

Protanomaly

18.9476, 18.3027, 5.5517

Deuteranomaly

20.4965, 18.4766, 4.7716

Tritanomaly

24.5067, 18.4084, 9.8509

Monochromacy



Original Color

23.4512, 18.5163, 4.9228

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0044, 17.1816, 12.2650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4512, 18.5163, 4.9228 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(179, 98, 46)` looks like.

```
.text, #text, p{  
    color:rgb(179, 98, 46)  
}
```

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(179, 98, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 98, 46) }
```

Border

The CSS property to change the border of an element to XYZ 23.4512, 18.5163, 4.9228 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(179, 98, 46) }
```


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

```
.border{ border-color:rgb(179, 98, 46) }
```

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

Here you see how a box with a 4 pixel rgb(179, 98, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 98, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 98, 46);  
box-shadow:4px 4px 4px 4px rgb(179, 98,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4512, 18.5163, 4.9228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 98, 46) }
```

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

```
.background{ background-color: rgb(179, 98,  
46) }
```

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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