

Converting Colors

XYZ(15.6788, 10.3174, 1.5194)

Have a look what the booklet for
XYZ(15.6788, 10.3174, 1.5194)
contains.

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Color

**XYZ(15.6800, 10.3218,
1.5137)**

Conversions

Conversions Part 1

Format	Color
Hex	9E3A0C
RGB	158, 58, 12
RGB Percent	62%, 23%, 5%
CMY	0.3804, 0.7725, 0.9529
CMYK	0.00, 0.63, 0.92, 0.38
HSL	19°, 86%, 33%
HSV	19°, 92%, 62%
XYZ	15.6800, 10.3218, 1.5137
YIQ	82.6560, 74.3660, 6.8940

Conversions

Conversions Part 2

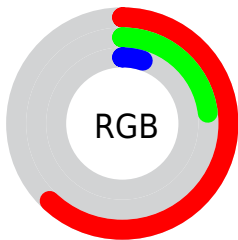
Format	Color
R_{YB}	158, 79, 12
Decimal	10369548
CIE Lab	38.41, 39.68, 45.73
CIE LCh	38, 60.544, 49.049
Yxy	10.3218, 0.5699, 0.3751
Android (android.graphics.Color)	4288559628 (0xFF9E3A0C)
YUV	82.6560, -34.8334, 66.0767
Hunter-Lab	32.1276, 30.8945, 19.6958

Details

The XYZ color **15.6800, 10.3218, 1.5137** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.1167, 14.1339, 34.4370**, and the grayscale version is **8.2105, 8.6381, 9.4069**.

A 20% lighter version of the original color is **35.5244, 26.3343, 7.6256**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **15.2320, 9.5321, 1.0371**, and if you desaturate by 10%, it is **16.4252, 11.5871, 2.4570**.

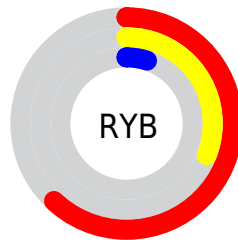
Distribution



Red (62%)

Green (23%)

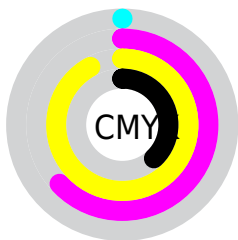
Blue (5%)



Red (62%)

Yellow (31%)

Blue (5%)

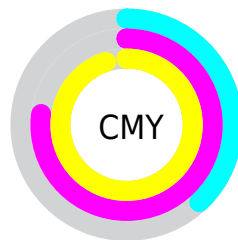


Cyan (0%)

Magenta (63%)

Yellow (92%)

Black (38%)



Cyan (38%)

Magenta (77%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6800, 10.3218, 1.5137 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 15.6800, 10.3218, 1.5137 by changing the saturation by 10% instead.

■ 15.6800, 10.3218,
1.5137

■ 15.6800, 10.3218,
1.5137

■ 220.7537,
192.9536, 114.2990

■ 9.3874, 5.6128,
0.2281

■ 35.6037, 26.3990,
7.6627

■ 5.0538, 2.6111,
0.0000

■ 49.9656, 38.5361,
13.5347

■ 2.3140, 0.9323,
0.0000

■ 67.7479, 53.9180,
21.8297

■ 0.8018, 0.0000,
0.0000

■ 89.3160, 72.9291,
32.9663


■ 0.0000, 0.0000,
0.0000


■ 115.0353, 95.9538,
47.3630


■ 145.2711,


123.3766, 65.4383


 180.3888,
155.5817, 87.6108


 15.6800, 10.3218,
1.5137


 15.6800, 10.3218,
1.5137


 15.2320, 9.5321,
1.0371

 16.4252, 11.5871,
2.4570

 17.3907, 13.1340,
3.9623

 18.5963, 14.9810,
6.1040

 20.0594, 17.1440,
8.9447

 21.7955, 19.6377,
12.5396

■ 23.8187, 22.4760,
16.9381

■ 26.1421, 25.6719,
22.1857

■ 28.7779, 29.2374,
28.3240

■ 31.7377, 33.1843,
35.3923

Harmonies

Analogous

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



18.8867, 10.3218, 5.5281



15.6800, 10.3218, 1.5137



11.3258, 10.3218, 0.4747

Triad

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



15.6800, 10.3218, 1.5137



4.0822, 10.3218, 7.5912



12.5049, 10.3218, 46.9025

Complementary

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



15.6800, 10.3218, 1.5137



12.1167, 14.1339, 34.4370

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.



8.4369, 10.3218, 48.9941



15.6800, 10.3218, 1.5137



4.2389, 10.3218, 19.9407

Square

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



15.6800, 10.3218, 1.5137



5.1185, 10.3218, 2.1593



5.6260, 10.3218, 36.9831



16.7400, 10.3218, 32.3818

Rectangle

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



15.6800, 10.3218, 1.5137



8.6635, 10.3218, 0.4503



5.6260, 10.3218, 36.9831



11.0546, 10.3218, 49.3297

Sweetspot

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



15.6802, 10.3224, 1.5139



44.8165, 42.9770, 34.2483



17.2806, 8.7515, 16.7578



9.7309, 9.1731, 6.8884



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.6802, 10.3224, 1.5139



27.5018, 16.9911, 1.8301



21.9908, 22.9435, 3.6174



6.7951, 6.9703, 6.9729



12.2314, 7.6984, 0.8413



0.2543, 0.2088, 0.0269

Inverse Universe

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



12.1167, 14.1339, 34.4370



20.8010, 23.6700, 62.2159



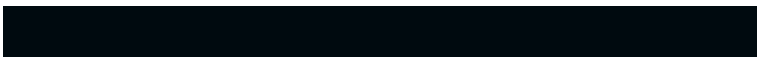
7.1231, 4.1466, 32.7725



6.6454, 7.1566, 8.4378



9.2920, 10.6756, 27.4781



0.2022, 0.2629, 0.5033

Previews

White Background



This preview shows how the XYZ color 15.6800, 10.3218, 1.5137 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



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 15.6800, 10.3218, 1.5137

Background



This preview shows how black text looks on a background with the XYZ color 15.6800, 10.3218, 1.5137.



This preview shows how white text looks on a background with the XYZ color 15.6800, 10.3218,

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

15.6800, 10.3218, 1.5137

Protanopia

9.5560, 10.5920, 2.2503

Deuteranopia

10.4784, 10.4612, 1.4669



Tritanopia

16.3558, 10.3047, 4.9979

Trichromacy



Original Color

15.6800, 10.3218, 1.5137

Protanomaly

11.1462, 9.9919, 1.9134

Deuteranomaly

11.9664, 10.0029, 1.4149

Tritanomaly

16.0645, 10.2634, 3.2322

Monochromacy



Original Color

15.6800, 10.3218, 1.5137

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.6177, 8.5080, 5.0062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6800, 10.3218, 1.5137 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(158, 58, 12)` looks like.

```
.text, #text, p{  
    color:rgb(158, 58, 12)  
}
```

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(158, 58, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 58, 12) }
```

Border

The CSS property to change the border of an element to XYZ 15.6800, 10.3218, 1.5137 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(158, 58, 12) }
```


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

```
.border{ border-color:rgb(158, 58, 12) }
```

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

Here you see how a box with a 4 pixel rgb(158, 58, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 58, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 58, 12);  
box-shadow:4px 4px 4px 4px rgb(158, 58,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6800, 10.3218, 1.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 58, 12) }
```

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

```
.background{ background-color: rgb(158, 58,  
12) }
```

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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