

Converting Colors

XYZ(15.6117, 9.9126, 2.3323)

Have a look what the booklet for
XYZ(15.6117, 9.9126, 2.3323)
contains.

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Color

**XYZ(15.6080, 9.9090,
2.3183)**

Conversions

Conversions Part 1

Format	Color
Hex	9E351E
RGB	158, 53, 30
RGB Percent	62%, 21%, 12%
CMY	0.3804, 0.7921, 0.8823
CMYK	0.00, 0.66, 0.81, 0.38
HSL	11°, 68%, 37%
HSV	11°, 81%, 62%
XYZ	15.6080, 9.9090, 2.3183
YIQ	81.7730, 69.9630, 15.1070

Conversions

Conversions Part 2

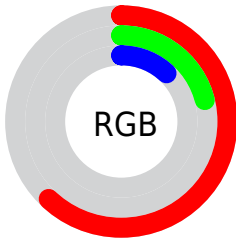
Format	Color
R _Y B	158, 58, 30
Decimal	10368286
CIE Lab	37.68, 42.43, 37.12
CIE LCh	38, 56.374, 41.178
Yxy	9.9090, 0.5607, 0.3560
Android (android.graphics.Color)	4288558366 (0xFF9E351E)
YUV	81.7730, -25.5241, 66.8511
Hunter-Lab	31.4786, 33.4181, 17.6685

Details

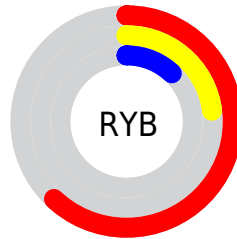
The XYZ color **15.6080, 9.9090, 2.3183** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.3702, 20.0710, 35.4116**, and the grayscale version is **8.0147, 8.4321, 9.1825**.

A 20% lighter version of the original color is **35.5695, 25.6850, 9.9205**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.9415, 8.8220, 1.3380**, and if you desaturate by 10%, it is **16.5360, 11.3573, 3.8849**.

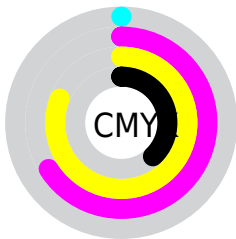
Distribution



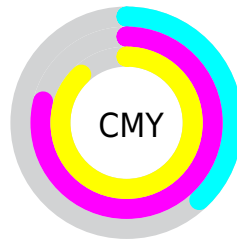
- Red (62%)
- Green (21%)
- Blue (12%)



- Red (62%)
- Yellow (23%)
- Blue (12%)



- Cyan (0%)
- Magenta (66%)
- Yellow (81%)
- Black (38%)





- Cyan (38%)
- Magenta (79%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6080, 9.9090, 2.3183 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 15.6080, 9.9090, 2.3183 by changing the saturation by 10% instead.


 15.6080, 9.9090,
2.3183


 15.6080, 9.9090,
2.3183


220.3335,
190.0213, 127.1385


 9.3363, 5.3387,
0.7414


 35.4793, 25.6242,
9.8940


 5.0200, 2.4473,
0.0000

 49.8096, 37.5379,
16.7467

 2.2939, 0.8501,
0.0000

 67.5567, 52.6681,
26.2007

 0.7915, 0.0000,
0.0000

 89.0862, 71.3992,
38.6745

 0.0000, 0.0000,
0.0000

 114.7632, 94.1157,
54.5866

 144.9532,

121.2020, 74.3557

180.0215,
153.0424, 98.4001

15.6080, 9.9090,
2.3183

15.6080, 9.9090,
2.3183

14.9415, 8.8220,
1.3380

16.5360, 11.3573,
3.8849

14.5252, 8.1185,
0.8015

17.7498, 13.1939,
6.1114

19.2716, 15.4453,
9.0611

21.1212, 18.1350,
12.7898

23.3166, 21.2847,
17.3477

■ 25.8745, 24.9149,
22.7807

■ 28.8106, 29.0445,
29.1315

■ 32.1395, 33.6915,
36.4398

■ 35.8750, 38.8731,
44.7433

Harmonies

Analogous

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



17.9147, 9.9090, 7.4007



15.6080, 9.9090, 2.3183



11.8184, 9.9090, 0.8113

Triad

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



15.6080, 9.9090, 2.3183



4.2894, 9.9090, 5.5965



10.8168, 9.9090, 43.9912

Complementary

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



15.6080, 9.9090, 2.3183



15.3702, 20.0710, 35.4116

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.



7.3672, 9.9090, 42.2778



15.6080, 9.9090, 2.3183



4.1503, 9.9090, 15.0804

Square

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



15.6080, 9.9090, 2.3183



5.5739, 9.9090, 1.7134



5.1288, 9.9090, 29.6720



14.7168, 9.9090, 33.4717

Rectangle

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



15.6080, 9.9090, 2.3183



9.2774, 9.9090, 0.6013



5.1288, 9.9090, 29.6720



9.5605, 9.9090, 44.9419

Sweetspot

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



15.6082, 9.9096, 2.3185



45.3063, 42.8658, 37.7745



19.0562, 9.9942, 24.4664



9.8621, 9.1641, 7.7684



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.



15.6082, 9.9096, 2.3185



26.4758, 14.8848, 1.6556



20.5037, 19.7005, 3.9503



6.7247, 6.8294, 6.9494



11.6551, 6.5459, 0.6492



0.2318, 0.1638, 0.0194

Inverse Universe

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



15.3702, 20.0710, 35.4116



25.7613, 33.4755, 63.8471



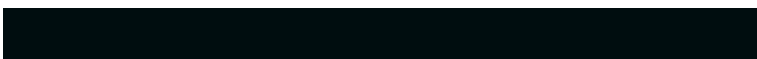
9.0677, 7.4661, 33.3108



6.7204, 7.3066, 8.4628



11.3198, 14.7311, 28.1540



0.2266, 0.3118, 0.5115

Previews

White Background



This preview shows how the XYZ color 15.6080, 9.9090, 2.3183 looks on a white background.

Color Contrast Check

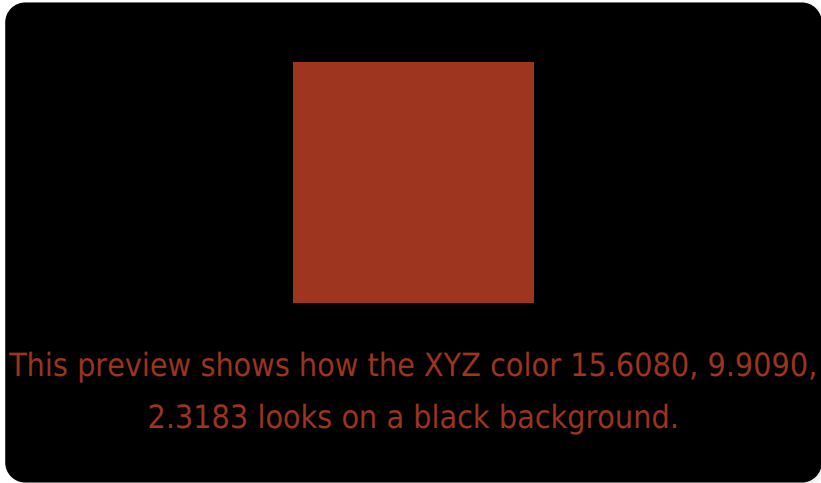
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

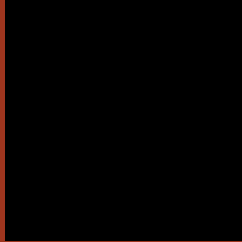
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6080, 9.9090, 2.3183

Background



This preview shows how black text looks on a background with the XYZ color 15.6080, 9.9090, 2.3183.



This preview shows how white text looks on a background with the XYZ color 15.6080, 9.9090,

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

15.6080, 9.9090, 2.3183

Protanopia

9.2947, 10.1749, 3.4815

Deuteranopia

10.1848, 10.0582, 2.0665



Tritanopia

16.0813, 9.9092, 4.4332

Trichromacy



Original Color

15.6080, 9.9090, 2.3183

Protanomaly

10.8575, 9.5001, 2.9305

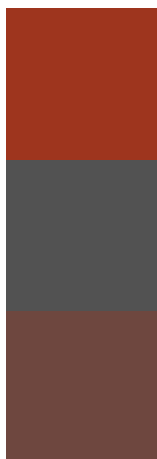
Deuteranomaly

11.6007, 9.4982, 2.0861

Tritanomaly

15.9556, 9.9280, 3.5580

Monochromacy



Original Color

15.6080, 9.9090, 2.3183

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.5808, 8.1804, 5.7766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6080, 9.9090, 2.3183 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, 53, 30)` looks like.

```
.text, #text, p{  
    color:rgb(158, 53, 30)  
}
```

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, 53, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 53, 30) }
```

Border

The CSS property to change the border of an element to XYZ 15.6080, 9.9090, 2.3183 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, 53, 30) }
```


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

```
.border{ border-color:rgb(158, 53, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 53, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 53, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 53, 30);  
box-shadow:4px 4px 4px 4px rgb(158, 53,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6080, 9.9090, 2.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 53, 30) }
```

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

```
.background{ background-color: rgb(158, 53,  
30) }
```

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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