

Converting Colors

XYZ(18.4276, 15.7662, 7.2727)

Have a look what the booklet for
XYZ(18.4276, 15.7662, 7.2727)
contains.

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Color

**XYZ(18.3949, 15.7150,
7.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	996142
RGB	153, 97, 66
RGB Percent	60%, 38%, 26%
CMY	0.4000, 0.6196, 0.7412
CMYK	0.00, 0.37, 0.57, 0.40
HSL	21°, 40%, 43%
HSV	21°, 57%, 60%
XYZ	18.3949, 15.7150, 7.2180
YIQ	110.2100, 43.3270, 2.2310

Conversions

Conversions Part 2

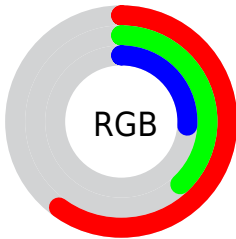
Format	Color
R_{YB}	153, 114, 66
Decimal	10051906
CIE Lab	46.60, 19.40, 26.98
CIE LCh	47, 33.232, 54.292
Yxy	15.7150, 0.4451, 0.3803
Android (android.graphics.Color)	4288241986 (0xFF996142)
YUV	110.2100, -21.7955, 37.5268
Hunter-Lab	39.6421, 13.4545, 16.9540

Details

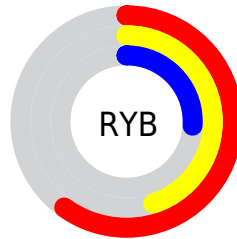
The XYZ color **18.3949, 15.7150, 7.2180** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.9556, 17.3763, 32.7026**, and the grayscale version is **14.9336, 15.7113, 17.1096**.

A 20% lighter version of the original color is **40.2628, 36.1193, 21.0693**, and **6.3224, 4.9358, 1.3785** is the 20% darker color. If you saturate the color by 10%, you get **17.1487, 13.8504, 4.8671**, and if you desaturate by 10%, it is **19.8756, 17.8554, 10.2427**.

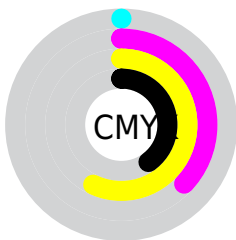
Distribution



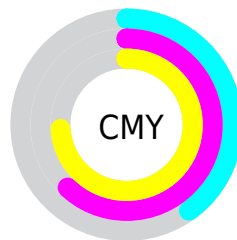
- Red (60%)
- Green (38%)
- Blue (26%)



- Red (60%)
- Yellow (45%)
- Blue (26%)



- Cyan (0%)
- Magenta (37%)
- Yellow (57%)
- Black (40%)



- Cyan (40%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3949, 15.7150, 7.2180 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 18.3949, 15.7150, 7.2180 by changing the saturation by 10% instead.

■ 18.3949, 15.7150,
7.2180

■ 18.3949, 15.7150,
7.2180

236.0903,
227.6541, 179.1621

■ 11.3353, 9.3227,
3.5183

■ 40.2339, 36.1027,
20.9307

■ 6.3618, 4.9523,
1.3650

■ 55.7440, 50.8669,
31.7809

■ 3.1090, 2.2193,
0.1142

■ 74.8017, 69.1906,
45.8515

■ 1.2117, 0.7305,
0.0000

■ 97.7722, 91.4581,
63.5613

■ 0.1156, 0.0000,
0.0000

■ 125.0210,
118.0537, 85.3287

■ 0.0000, 0.0000,
0.0000

■ 156.9133,

149.3620, 111.5723

193.8147,
185.7674, 142.7106

■ 18.3949, 15.7150,
7.2180

■ 18.3949, 15.7150,
7.2180

■ 17.1487, 13.8504,
4.8671

■ 19.8756, 17.8554,
10.2427

■ 16.1217, 12.2471,
3.1357

■ 21.6022, 20.2805,
13.9879

■ 15.2987, 10.8925,
1.9627

■ 23.5869, 23.0019,
18.4969

■ 14.6568, 9.7701,
1.2512

■ 25.8405, 26.0295,
23.8096

■ 14.4805, 9.4596,
1.0627

■ 28.3732, 29.3728,
29.9628

■ 31.1947, 33.0411,
36.9913

■ 34.3142, 37.0429,
44.9277

■ 37.7403, 41.3868,
53.8030

■ 41.4816, 46.0807,
63.6467

Harmonies

Analogous

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



20.5528, 15.7150, 11.3975



18.3949, 15.7150, 7.2180



15.4923, 15.7150, 5.7100

Triad

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



18.3949, 15.7150, 7.2180



10.0906, 15.7150, 15.5866



17.3241, 15.7150, 35.9388

Complementary

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



18.3949, 15.7150, 7.2180



14.9556, 17.3763, 32.7026

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.



14.3944, 15.7150, 38.1493



18.3949, 15.7150, 7.2180



10.4499, 15.7150, 24.4718

Square

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



18.3949, 15.7150, 7.2180



10.8885, 15.7150, 9.4444



11.9415, 15.7150, 33.4218



19.8812, 15.7150, 28.0933

Rectangle

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



18.3949, 15.7150, 7.2180



13.6152, 15.7150, 5.9099



11.9415, 15.7150, 33.4218



16.3409, 15.7150, 37.4524

Sweetspot

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



18.3953, 15.7158, 7.2183



46.0753, 46.3466, 42.1562



18.6321, 12.0876, 19.9427



10.0064, 10.0103, 8.9092



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.3953, 15.7158, 7.2183



30.2194, 24.0492, 7.8474



23.4910, 25.9071, 8.9169



6.3800, 6.5650, 6.5368



11.9972, 7.8767, 0.8880



0.2116, 0.1823, 0.0240

Inverse Universe

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



14.9556, 17.3763, 32.7026



23.4073, 27.2342, 57.9950



10.7962, 9.0574, 31.3161



6.1993, 6.6559, 7.8870



8.4310, 9.2588, 26.2505



0.1601, 0.2066, 0.4038

Previews

White Background



This preview shows how the XYZ color 18.3949, 15.7150, 7.2180 looks on a white background.

Color Contrast Check

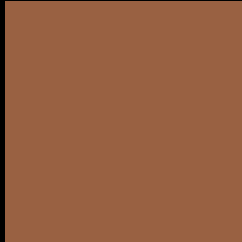
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3949, 15.7150, 7.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

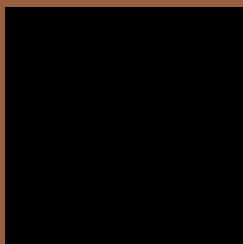
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3949, 15.7150, 7.2180

Background



This preview shows how black text looks on a background with the XYZ color 18.3949, 15.7150, 7.2180.



This preview shows how white text looks on a background with the XYZ color 18.3949, 15.7150,

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

18.3949, 15.7150, 7.2180

Protanopia

14.7069, 15.8888, 8.2529

Deuteranopia

16.0711, 15.8291, 7.0588



Tritanopia

19.7322, 15.7174, 14.0503

Trichromacy



Original Color

18.3949, 15.7150, 7.2180

Protanomaly

15.9011, 15.7243, 7.8272

Deuteranomaly

16.9597, 15.8329, 7.1632

Tritanomaly

19.0906, 15.5800, 11.2336

Monochromacy



Original Color

18.3949, 15.7150, 7.2180

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.6761, 15.3469, 12.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3949, 15.7150, 7.2180 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(153, 97, 66)` looks like.

```
.text, #text, p{  
    color:rgb(153, 97, 66)  
}
```

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(153, 97, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 97, 66) }
```

Border

The CSS property to change the border of an element to XYZ 18.3949, 15.7150, 7.2180 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(153, 97, 66) }
```


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

```
.border{ border-color:rgb(153, 97, 66) }
```

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

Here you see how a box with a 4 pixel rgb(153, 97, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 97, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 97, 66);  
box-shadow:4px 4px 4px 4px rgb(153, 97,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3949, 15.7150, 7.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 97, 66) }
```

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

```
.background{ background-color: rgb(153, 97,  
66) }
```

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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