

Converting Colors

XYZ(18.6637, 16.0380, 7.9694)

Have a look what the booklet for
XYZ(18.6637, 16.0380, 7.9694)
contains.

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Color

**XYZ(18.6100, 15.9499,
7.8921)**

Conversions

Conversions Part 1

Format	Color
Hex	996246
RGB	153, 98, 70
RGB Percent	60%, 38%, 27%
CMY	0.4000, 0.6157, 0.7255
CMYK	0.00, 0.36, 0.54, 0.40
HSL	20°, 37%, 44%
HSV	20°, 54%, 60%
XYZ	18.6100, 15.9499, 7.8921
YIQ	111.2530, 41.7680, 2.9520

Conversions

Conversions Part 2

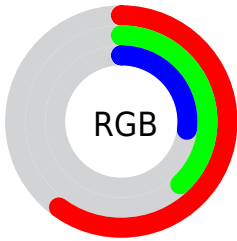
Format	Color
RYB	153, 112, 70
Decimal	10052166
CIELab	46.91, 19.18, 25.07
CIELCh	47, 31.570, 52.585
Yxy	15.9499, 0.4384, 0.3757
Android (android.graphics.Color)	4288242246 (0xFF996246)
YUV	111.2530, -20.3377, 36.6121
Hunter-Lab	39.9373, 13.2871, 16.2397

Details

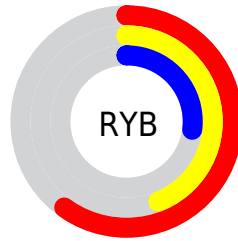
The XYZ color **18.6100, 15.9499, 7.8921** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.6086, 18.2681, 32.8401**, and the grayscale version is **15.2321, 16.0254, 17.4516**.

A 20% lighter version of the original color is **40.6556, 36.5284, 22.3607**, and **6.5159, 5.0949, 1.6173** is the 20% darker color. If you saturate the color by 10%, you get **17.2980, 14.0029, 5.3681**, and if you desaturate by 10%, it is **20.1660, 18.1881, 11.1049**.

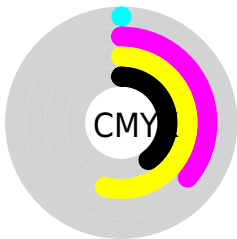
Distribution



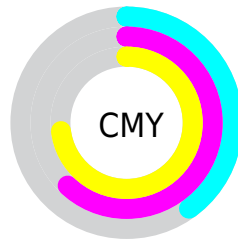
- Red (60%)
- Green (38%)
- Blue (27%)



- Red (60%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (36%)
- Yellow (54%)
- Black (40%)



- Cyan (40%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6100, 15.9499, 7.8921 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 18.6100, 15.9499, 7.8921 by changing the saturation by 10% instead.

■ 18.6100, 15.9499,
7.8921

■ 18.6100, 15.9499,
7.8921

237.2669,
229.0459, 184.7861

■ 11.4911, 9.4887,
3.9392

■ 40.5960, 36.5112,
22.2893

■ 6.4679, 5.0613,
1.5920

■ 56.1939, 51.3801,
33.5707

■ 3.1750, 2.2833,
0.2851

■ 75.3489, 69.8204,
48.1320

■ 1.2470, 0.7648,
0.0000

■ 98.4262, 92.2164,
66.3918

■ 0.1430, 0.0000,
0.0000

■ 125.7913,
118.9526, 88.7685

■ 0.0000, 0.0000,
0.0000

157.8096,

150.4133, 115.6808

194.8463,
186.9829, 147.5472

■ 18.6100, 15.9499,
7.8921

■ 18.6100, 15.9499,
7.8921

■ 17.2980, 14.0029,
5.3681

■ 20.1660, 18.1881,
11.1049

■ 16.2148, 12.3318,
3.4801

■ 21.9777, 20.7270,
15.0519

■ 15.3452, 10.9236,
2.1694

■ 24.0571, 23.5785,
19.7759

■ 14.6706, 9.7629,
1.3639

■ 26.4155, 26.7532,
25.3157

■ 14.3479, 9.1946,
1.0185

■ 29.0631, 30.2611,
31.7079

■ 32.0097, 34.1119,
38.9866

■ 35.2647, 38.3148,
47.1843

■ 38.8370, 42.8786,
56.3315

■ 42.7352, 47.8118,
66.4575

Harmonies

Analogous

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



20.5932, 15.9499, 12.1695



18.6100, 15.9499, 7.8921



15.8536, 15.9499, 6.2518

Triad

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



18.6100, 15.9499, 7.8921



10.4921, 15.9499, 15.4823



17.2858, 15.9499, 35.4682

Complementary

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



18.6100, 15.9499, 7.8921



15.6086, 18.2681, 32.8401

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.



14.4868, 15.9499, 37.1623



18.6100, 15.9499, 7.8921



10.7777, 15.9499, 23.8660

Square

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



18.6100, 15.9499, 7.8921



11.3312, 15.9499, 9.6864



12.1650, 15.9499, 32.4102



19.7664, 15.9499, 28.3059

Rectangle

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



18.6100, 15.9499, 7.8921



14.0352, 15.9499, 6.3728



12.1650, 15.9499, 32.4102



16.3431, 15.9499, 36.7693

Sweetspot

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



18.6104, 15.9507, 7.8924



46.3921, 46.6879, 43.1626



19.0500, 12.6419, 20.9499



10.0660, 10.0705, 9.1106



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.



18.6104, 15.9507, 7.8924



30.5515, 24.4288, 8.8358



23.4990, 25.7279, 9.5219



6.3707, 6.5464, 6.5337



11.8868, 7.6560, 0.8512



0.2090, 0.1771, 0.0232

Inverse Universe

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



15.6086, 18.2681, 32.8401



24.5631, 28.9423, 58.2638



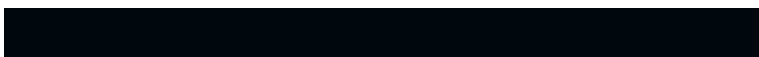
11.4330, 9.9169, 31.4483



6.2089, 6.6752, 7.8902



8.6602, 9.7171, 26.3269



0.1627, 0.2118, 0.4047

Previews

White Background



This preview shows how the XYZ color 18.6100, 15.9499, 7.8921 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 18.6100, 15.9499, 7.8921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

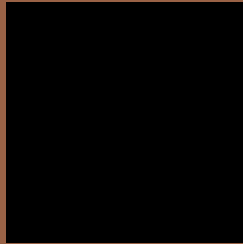
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6100, 15.9499, 7.8921

Background



This preview shows how black text looks on a background with the XYZ color 18.6100, 15.9499, 7.8921.



This preview shows how white text looks on a background with the XYZ color 18.6100, 15.9499,

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

18.6100, 15.9499, 7.8921

Protanopia

14.9493, 16.1613, 8.9881

Deuteranopia

16.2928, 16.0836, 7.7146



Tritanopia

19.8692, 15.9136, 14.3363

Trichromacy



Original Color

18.6100, 15.9499, 7.8921

Protanomaly

16.1332, 15.9830, 8.5380

Deuteranomaly

17.1798, 16.0811, 7.8287

Tritanomaly

19.2641, 15.7926, 11.7058

Monochromacy



Original Color

18.6100, 15.9499, 7.8921

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.8695, 15.5882, 13.2387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6100, 15.9499, 7.8921 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, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(153, 98, 70)  
}
```

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, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 98, 70) }
```

Border

The CSS property to change the border of an element to XYZ 18.6100, 15.9499, 7.8921 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, 98, 70) }
```


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

```
.border{ border-color:rgb(153, 98, 70) }
```

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

Here you see how a box with a 4 pixel rgb(153, 98, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(153, 98,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6100, 15.9499, 7.8921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 98, 70) }
```

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

```
.background{ background-color: rgb(153, 98,  
70) }
```

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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