

Converting Colors

XYZ(19.9972, 15.7383, 9.9671)

Have a look what the booklet for
XYZ(19.9972, 15.7383, 9.9671)
contains.

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Color

**XYZ(19.9620, 15.6684,
9.9548)**

Conversions

Conversions Part 1

Format	Color
Hex	A15B52
RGB	161, 91, 82
RGB Percent	63%, 36%, 32%
CMY	0.3686, 0.6431, 0.6784
CMYK	0.00, 0.43, 0.49, 0.37
HSL	7°, 33%, 48%
HSV	7°, 49%, 63%
XYZ	19.9620, 15.6684, 9.9548
YIQ	110.9040, 44.6090, 12.0410

Conversions

Conversions Part 2

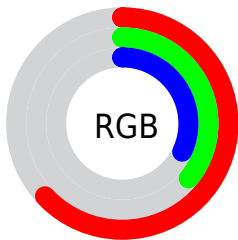
Format	Color
RYB	161, 92, 82
Decimal	10574674
CIELab	46.54, 27.65, 17.72
CIElCh	47, 32.845, 32.655
Yxy	15.6684, 0.4379, 0.3437
Android (android.graphics.Color)	4288764754 (0xFFA15B52)
YUV	110.9040, -14.2497, 43.9342
Hunter-Lab	39.5833, 20.7473, 12.7975

Details

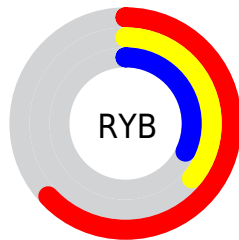
The XYZ color **19.9620, 15.6684, 9.9548** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1403, 26.8222, 37.7811**, and the grayscale version is **15.1129, 15.9000, 17.3150**.

A 20% lighter version of the original color is **42.6832, 35.8901, 26.1506**, and **7.1417, 4.9255, 2.3246** is the 20% darker color. If you saturate the color by 10%, you get **18.3140, 13.2406, 6.7293**, and if you desaturate by 10%, it is **21.9863, 18.6189, 14.0152**.

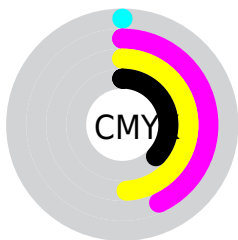
Distribution



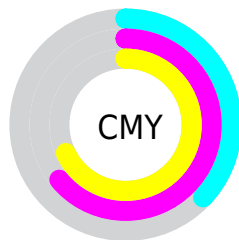
- Red (63%)
- Green (36%)
- Blue (32%)



- Red (63%)
- Yellow (36%)
- Blue (32%)



- Cyan (0%)
- Magenta (43%)
- Yellow (49%)
- Black (37%)



- Cyan (37%)
- Magenta (64%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9620, 15.6684, 9.9548 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 19.9620, 15.6684, 9.9548 by changing the saturation by 10% instead.

■ 19.9620, 15.6684,
9.9548

■ 19.9620, 15.6684,
9.9548

244.5468,
227.3770, 200.8222

■ 12.4755, 9.2898,
5.2638

■ 42.8579, 36.0216,
26.3169

■ 7.1429, 4.9307,
2.3414

■ 58.9980, 50.7649,
38.8251

■ 3.5988, 2.2067,
0.7543

■ 78.7534, 69.0654,
54.7761

■ 1.4777, 0.7236,
0.0000

■ 102.4894, 91.3072,
74.5885

■ 0.3106, 0.0000,
0.0000

■ 130.5714,
117.8749, 98.6808

■ 0.0000, 0.0000,
0.0000

163.3648,

149.1528, 127.4714

201.2348,
185.5254, 161.3791

■ 19.9620, 15.6684,
9.9548

■ 19.9620, 15.6684,
9.9548

■ 18.3140, 13.2406,
6.7293

■ 21.9863, 18.6189,
14.0152

■ 17.0179, 11.3027,
4.2798

■ 24.4072, 22.1178,
18.9623

■ 16.0479, 9.8219,
2.5408

■ 27.2448, 26.1917,
24.8446

■ 15.3743, 8.7603,
1.4359

■ 30.5175, 30.8649,
31.7069

■ 14.9507, 8.0694,
0.8127

■ 34.2425, 36.1604,
39.5910

■ 14.9199, 8.0211,
0.7619

■ 38.4364, 42.0999,
48.5366

■ 43.1146, 48.7040,
58.5808

■ 48.2919, 55.9924,
69.7593

■ 53.9826, 63.9841,
82.1060

Harmonies

Analogous

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



21.0191, 15.6684, 16.3482



19.9620, 15.6684, 9.9548



17.5356, 15.6684, 6.6209

Triad

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



19.9620, 15.6684, 9.9548



10.5613, 15.6684, 10.8540



15.1459, 15.6684, 37.8540

Complementary

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



19.9620, 15.6684, 9.9548



21.1403, 26.8222, 37.7811

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.



12.5291, 15.6684, 34.9939



19.9620, 15.6684, 9.9548



10.0894, 15.6684, 17.7926

Square

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



19.9620, 15.6684, 9.9548



12.1439, 15.6684, 7.0125



10.7631, 15.6684, 26.9311



18.0271, 15.6684, 33.8410

Rectangle

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



19.9620, 15.6684, 9.9548



15.5992, 15.6684, 5.7986



10.7631, 15.6684, 26.9311



14.2071, 15.6684, 37.6652

Sweetspot

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



19.9624, 15.6692, 9.9551



50.9190, 49.9475, 48.9372



23.4733, 15.9149, 32.0150



10.9214, 10.6027, 10.2183



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.



19.9624, 15.6692, 9.9551



32.5289, 23.3119, 11.5326



24.1240, 23.9924, 11.3423



7.1358, 7.2100, 7.3957



11.9326, 6.4392, 0.6140



0.2687, 0.1713, 0.0189

Inverse Universe

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



21.1403, 26.8222, 37.7811



34.8579, 45.6218, 67.3552



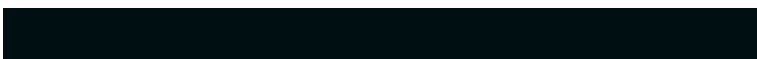
15.8851, 16.3117, 36.0294



7.2069, 7.8728, 9.0428



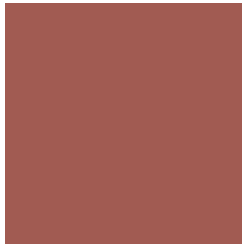
12.9597, 17.6988, 29.6629



0.2905, 0.4083, 0.6294

Previews

White Background



This preview shows how the XYZ color 19.9620, 15.6684, 9.9548 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 19.9620, 15.6684, 9.9548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

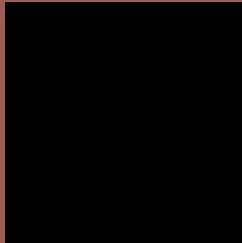
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9620, 15.6684, 9.9548

Background



This preview shows how black text looks on a background with the XYZ color 19.9620, 15.6684, 9.9548.



This preview shows how white text looks on a background with the XYZ color 19.9620, 15.6684,

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

19.9620, 15.6684, 9.9548

Protanopia

14.9089, 15.9061, 12.1819

Deuteranopia

16.0810, 15.7781, 9.5951



Tritanopia

20.5382, 15.6524, 12.7652

Trichromacy



Original Color

19.9620, 15.6684, 9.9548

Protanomaly

16.3846, 15.5918, 11.3785

Deuteranomaly

17.4293, 15.7262, 9.7062

Tritanomaly

20.4019, 15.7319, 11.6341

Monochromacy



Original Color

19.9620, 15.6684, 9.9548

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.3038, 15.4879, 14.1867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9620, 15.6684, 9.9548 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(161, 91, 82)` looks like.

```
.text, #text, p{  
    color:rgb(161, 91, 82)  
}
```

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(161, 91, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 91, 82) }
```

Border

The CSS property to change the border of an element to XYZ 19.9620, 15.6684, 9.9548 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(161, 91, 82) }
```


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

```
.border{ border-color:rgb(161, 91, 82) }
```

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

Here you see how a box with a 4 pixel rgb(161, 91, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 91, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 91, 82);  
box-shadow:4px 4px 4px 4px rgb(161, 91,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9620, 15.6684, 9.9548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 91, 82) }
```

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

```
.background{ background-color: rgb(161, 91,  
82) }
```

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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