

Converting Colors

XYZ(18.4169, 15.5157, 13.4276)

Have a look what the booklet for
XYZ(18.4169, 15.5157, 13.4276)
contains.

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Color

**XYZ(18.3732, 15.4319,
13.3195)**

Conversions

Conversions Part 1

Format	Color
Hex	936061
RGB	147, 96, 97
RGB Percent	58%, 38%, 38%
CMY	0.4235, 0.6235, 0.6196
CMYK	0.00, 0.35, 0.34, 0.42
HSL	359°, 21%, 48%
HSV	359°, 35%, 58%
XYZ	18.3732, 15.4319, 13.3195
YIQ	111.3630, 30.0750, 11.1230

Conversions

Conversions Part 2

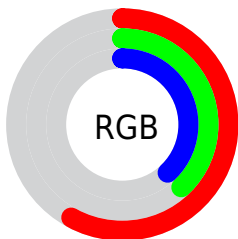
Format	Color
R_{YB}	147, 96, 97
Decimal	9658465
CIE _{Lab}	46.22, 20.91, 7.99
CIE _{LCh}	46, 22.388, 20.919
Yxy	15.4319, 0.3899, 0.3275
Android (android.graphics.Color)	4287848545 (0xFF936061)
YUV	111.3630, -7.0810, 31.2536
Hunter-Lab	39.2835, 14.7399, 7.3955

Details

The XYZ color **18.3732, 15.4319, 13.3195** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.4467, 25.4300, 31.0265**, and the grayscale version is **15.2292, 16.0223, 17.4483**.

A 20% lighter version of the original color is **40.1361, 35.5621, 32.7657**, and **6.4152, 4.8685, 3.7336** is the 20% darker color. If you saturate the color by 10%, you get **16.5432, 12.7514, 9.6898**, and if you desaturate by 10%, it is **20.5769, 18.6643, 17.6766**.

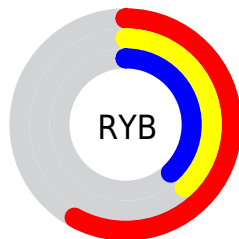
Distribution



Red (58%)

Green (38%)

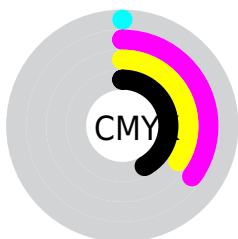
Blue (38%)



Red (58%)

Yellow (38%)

Blue (38%)

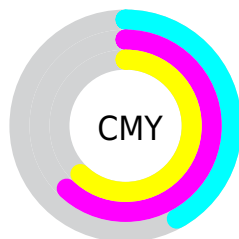


Cyan (0%)

Magenta (35%)

Yellow (34%)

Black (42%)



Cyan (42%)


Magenta (62%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3732, 15.4319, 13.3195 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 18.3732, 15.4319, 13.3195 by changing the saturation by 10% instead.


 18.3732, 15.4319,
13.3195


 18.3732, 15.4319,
13.3195


235.9714,
225.9657, 224.2345


 11.3196, 9.1231,
7.5156


 40.1973, 35.6091,
32.5762


 6.3511, 4.8215,
3.7033


 55.6986, 50.2462,
46.8660

 3.1024, 2.1429,
1.4640

 74.7464, 68.4283,
64.8216

 1.2081, 0.6886,
0.1909

 97.7061, 90.5396,
86.8615

 0.1128, 0.0000,
0.0000

124.9431,
116.9646, 113.4042

 0.0000, 0.0000,
0.0000

156.8227,

148.0877, 144.8682

193.7104,
184.2933, 181.6722

■ 18.3732, 15.4319,
13.3195

■ 18.3732, 15.4319,
13.3195

■ 16.5432, 12.7514,
9.6898

■ 20.5769, 18.6643,
17.6766

■ 15.0651, 10.5900,
6.7469

■ 23.1722, 22.4747,
22.7966

■ 13.9167, 8.9146,
4.4480


■ 26.1773, 26.8902,
28.7141


■ 13.0726, 7.6877,
2.7448


■ 29.6086, 31.9355,
35.4609


■ 12.5041, 6.8663,
1.5824


■ 33.4821, 37.6340,
43.0673


 12.1751, 6.3956,
0.8951

 37.8127, 44.0078,
51.5621

 12.0484, 6.2094,
0.6460

 42.6145, 51.0780,
60.9727

 47.9011, 58.8649,
71.3253

 53.6858, 67.3879,
82.6451

Harmonies

Analogous

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



18.6020, 15.4319, 18.5183



18.3732, 15.4319, 13.3195



17.1072, 15.4319, 9.8880

Triad

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



18.3732, 15.4319, 13.3195



11.9969, 15.4319, 11.0050



14.0954, 15.4319, 29.4787

Complementary

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



18.3732, 15.4319, 13.3195



20.4467, 25.4300, 31.0265

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.



12.4716, 15.4319, 26.3633



18.3732, 15.4319, 13.3195



11.3311, 15.4319, 15.1965

Square

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



18.3732, 15.4319, 13.3195



13.3947, 15.4319, 8.7673



11.4970, 15.4319, 20.8457



16.0186, 15.4319, 28.6693

Rectangle

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



18.3732, 15.4319, 13.3195



15.9014, 15.4319, 8.6927



11.4970, 15.4319, 20.8457



13.4992, 15.4319, 28.8344

Sweetspot

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



18.3736, 15.4326, 13.3198



43.8195, 43.6592, 45.3988



21.1798, 16.5202, 29.6763



9.8487, 9.7396, 10.0595



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3736, 15.4326, 13.3198



30.1773, 23.6422, 18.4469



20.8369, 20.4331, 13.9131



5.8051, 5.8171, 6.0799



10.4464, 5.3836, 0.5658



0.1288, 0.0663, 0.0117

Inverse Universe

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



18.3736, 15.4326, 13.3198



30.1773, 23.6422, 18.4469



17.1988, 18.8097, 30.3280



5.8051, 5.8171, 6.0799



10.4464, 5.3836, 0.5658



0.1288, 0.0663, 0.0117

Previews

White Background



This preview shows how the XYZ color 18.3732, 15.4319, 13.3195 looks on a white background.

Color Contrast Check

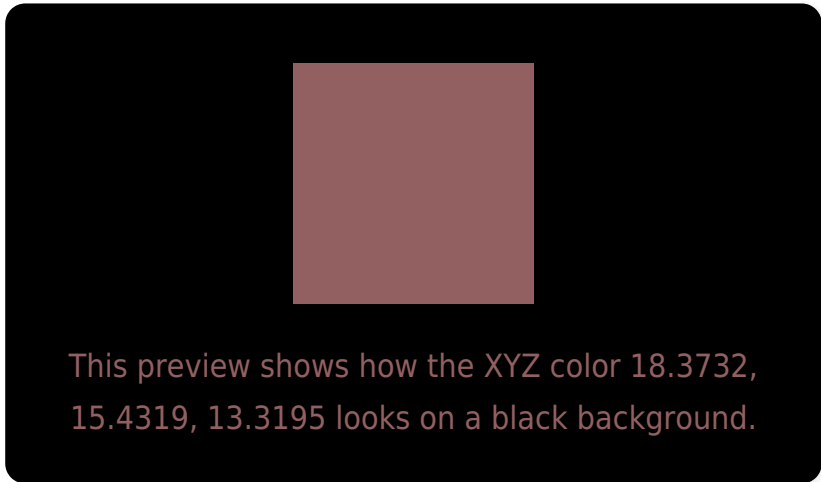
Large Text (above 18pt) WCAG AA ✓ Pass

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

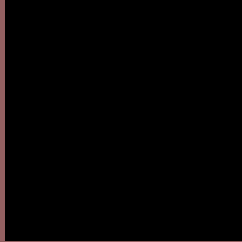
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3732, 15.4319, 13.3195

Background



This preview shows how black text looks on a background with the XYZ color 18.3732, 15.4319, 13.3195.

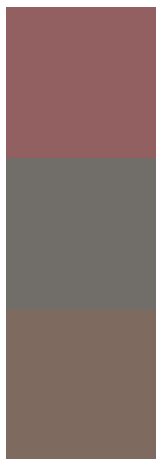


This preview shows how white text looks on a background with the XYZ color 18.3732, 15.4319,

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

18.3732, 15.4319, 13.3195

Protanopia

14.7774, 15.4475, 15.2995

Deuteranopia

15.8238, 15.5699, 12.9978



Tritanopia

18.7032, 15.4396, 14.5648

Trichromacy



Original Color

18.3732, 15.4319, 13.3195

Protanomaly

15.7567, 15.2002, 14.4154

Deuteranomaly

16.6942, 15.4156, 13.1620

Tritanomaly

18.6052, 15.4004, 14.0486

Monochromacy



Original Color

18.3732, 15.4319, 13.3195

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.0677, 15.6338, 15.8064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3732, 15.4319, 13.3195 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(147, 96, 97)` looks like.

```
.text, #text, p{  
  color:rgb(147, 96, 97)  
}
```

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(147, 96, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 96, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.3732, 15.4319, 13.3195 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(147, 96, 97) }
```


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

```
.border{ border-color:rgb(147, 96, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 96, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 96, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 96, 97);  
box-shadow:4px 4px 4px 4px rgb(147, 96,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3732, 15.4319, 13.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 96, 97) }
```

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

```
.background{ background-color: rgb(147, 96,  
97) }
```

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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