

Converting Colors

XYZ(22.4755, 20.0299, 16.7026)

Have a look what the booklet for
XYZ(22.4755, 20.0299, 16.7026)
contains.

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Color

**XYZ(22.4636, 20.0399,
16.5940)**

Conversions

Conversions Part 1

Format	Color
Hex	9D716B
RGB	157, 113, 107
RGB Percent	62%, 44%, 42%
CMY	0.3843, 0.5568, 0.5804
CMYK	0.00, 0.28, 0.32, 0.38
HSL	7°, 20%, 52%
HSV	7°, 32%, 62%
XYZ	22.4636, 20.0399, 16.5940
YIQ	125.4720, 28.1500, 7.4620

Conversions

Conversions Part 2

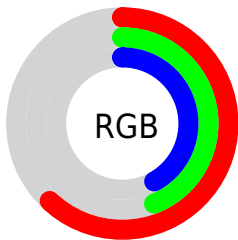
Format	Color
R_{YB}	157, 114, 107
Decimal	10318187
CIE _{Lab}	51.88, 16.54, 10.21
CIE _{LCh}	52, 19.437, 31.682
Yxy	20.0399, 0.3801, 0.3391
Android (android.graphics.Color)	4288508267 (0xFF9D716B)
YUV	125.4720, -9.1067, 27.6501
Hunter-Lab	44.7659, 11.2311, 9.3583

Details

The XYZ color **22.4636, 20.0399, 16.5940** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2154, 27.6923, 36.0199**, and the grayscale version is **19.6758, 20.7005, 22.5428**.

A 20% lighter version of the original color is **47.0673, 43.5250, 38.2682**, and **8.4148, 7.0499, 5.1922** is the 20% darker color. If you saturate the color by 10%, you get **20.2858, 16.8882, 12.1563**, and if you desaturate by 10%, it is **25.0271, 23.7227, 21.9007**.

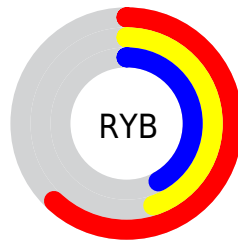
Distribution



Red (62%)

Green (44%)

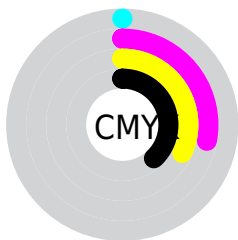
Blue (42%)



Red (62%)

Yellow (45%)

Blue (42%)

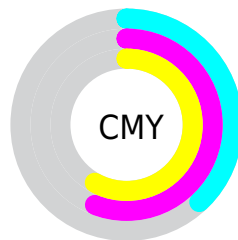


Cyan (0%)

Magenta (28%)

Yellow (32%)

Black (38%)



Cyan (38%)


Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4636, 20.0399, 16.5940 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 22.4636, 20.0399, 16.5940 by changing the saturation by 10% instead.


 22.4636, 20.0399,
16.5940


 22.4636, 20.0399,
16.5940

257.5449,
252.1310, 244.7860


 14.3164, 12.4241,
9.7866


 46.9842, 43.4841,
38.4074

 8.4243, 7.0332,
5.1539


 64.0884, 60.0812,
54.2505

 4.4217, 3.4829,
2.2775

 84.9089, 80.4408,
73.9425

 1.9433, 1.3887,
0.7186

 109.8112,
104.9474, 97.9021

 0.6018, 0.2084,
0.0000

139.1606,
133.9853, 126.5476

 0.0000, 0.0000,
0.0000

173.3225,

167.9390, 160.2978

212.6621,
207.1928, 199.5710

■ 22.4636, 20.0399,
16.5940

■ 22.4636, 20.0399,
16.5940

■ 20.2858, 16.8882,
12.1563

■ 25.0271, 23.7227,
21.9007

■ 18.4734, 14.2405,
8.5400

■ 27.9922, 27.9567,
28.1180

■ 17.0066, 12.0713,
5.6949

■ 31.3756, 32.7642,
35.2863

■ 15.8633, 10.3519,
3.5647

■ 35.1929, 38.1656,
43.4433

■ 15.0184, 9.0505,
2.0856

■ 39.4587, 44.1803,
52.6246

■ 14.4432, 8.1310,
1.1823

■ 44.1869, 50.8265,
62.8639

■ 14.1350, 7.6288,
0.7275

■ 49.3909, 58.1221,
74.1936

■ 55.0834, 66.0841,
86.6445

■ 61.2769, 74.7287,
100.2463

Harmonies

Analogous

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



23.0991, 20.0399, 21.5025



22.4636, 20.0399, 16.5940



20.9053, 20.0399, 13.5808

Triad

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



22.4636, 20.0399, 16.5940



15.8973, 20.0399, 17.0587



19.1589, 20.0399, 34.5902

Complementary

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



22.4636, 20.0399, 16.5940



23.2154, 27.6923, 36.0199

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.



17.3028, 20.0399, 32.8576



22.4636, 20.0399, 16.5940



15.4994, 20.0399, 22.1407

Square

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



22.4636, 20.0399, 16.5940



17.1225, 20.0399, 13.8147



15.9963, 20.0399, 28.0421



21.1113, 20.0399, 32.4402

Rectangle

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



22.4636, 20.0399, 16.5940



19.6018, 20.0399, 12.7340



15.9963, 20.0399, 28.0421



18.5034, 20.0399, 34.4413

Sweetspot

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



22.4641, 20.0408, 16.5944



51.0810, 51.4199, 52.3607



24.7619, 19.9235, 31.8898



11.0755, 11.0804, 11.1744



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.4641, 20.0408, 16.5944



37.4731, 31.9048, 24.0846



25.6232, 26.3589, 17.6474



6.6941, 6.7681, 6.9392



11.4958, 6.2272, 0.5961



0.2219, 0.1440, 0.0161

Inverse Universe

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



23.2154, 27.6923, 36.0199



39.0204, 47.7243, 64.2818



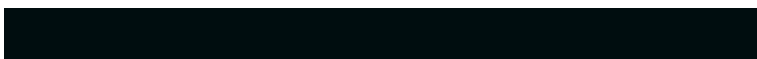
19.6316, 20.5247, 34.8253



6.7538, 7.3734, 8.4739



12.3595, 16.8105, 28.5006



0.2383, 0.3352, 0.5154

Previews

White Background



This preview shows how the XYZ color 22.4636, 20.0399, 16.5940 looks on a white 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

Black Background



This preview shows how the XYZ color 22.4636, 20.0399, 16.5940 looks on a black 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

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

XYZ 22.4636, 20.0399, 16.5940

Background



This preview shows how black text looks on a background with the XYZ color 22.4636, 20.0399, 16.5940.



This preview shows how white text looks on a background with the XYZ color 22.4636, 20.0399,

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

22.4636, 20.0399, 16.5940

Protanopia

19.1855, 20.2523, 18.2271

Deuteranopia

20.3537, 19.9850, 16.4204



Tritanopia

23.1752, 19.9940, 20.4071

Trichromacy



Original Color

22.4636, 20.0399, 16.5940

Protanomaly

20.1784, 20.0477, 17.5579

Deuteranomaly

20.9954, 19.9662, 16.3830

Tritanomaly

22.9892, 20.0952, 18.8868

Monochromacy



Original Color

22.4636, 20.0399, 16.5940

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.4239, 20.3011, 19.9816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4636, 20.0399, 16.5940 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(157, 113, 107)` looks like.

```
.text, #text, p{  
    color:rgb(157, 113, 107)  
}
```

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(157, 113, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 113, 107) }
```

Border

The CSS property to change the border of an element to XYZ 22.4636, 20.0399, 16.5940 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(157, 113, 107) }
```


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

```
.border{ border-color:rgb(157, 113, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 113, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 113, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 113, 107);  
box-shadow:4px 4px 4px 4px rgb(157, 113,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4636, 20.0399, 16.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 113, 107) }
```

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

```
.background{ background-color: rgb(157,  
113, 107) }
```

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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