

Converting Colors

XYZ(20.4932, 18.4289, 17.0686)

Have a look what the booklet for
XYZ(20.4932, 18.4289, 17.0686)
contains.

XYZ(20.4417, 18.3373, 16.9301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.4417, 18.3373,
16.9301)**

Conversions

Conversions Part 1

Format	Color
Hex	946D6D
RGB	148, 109, 109
RGB Percent	58%, 43%, 43%
CMY	0.4196, 0.5725, 0.5725
CMYK	0.00, 0.26, 0.26, 0.42
HSL	0°, 15%, 50%
HSV	0°, 26%, 58%
XYZ	20.4417, 18.3373, 16.9301
YIQ	120.6610, 23.2440, 8.2680

Conversions

Conversions Part 2

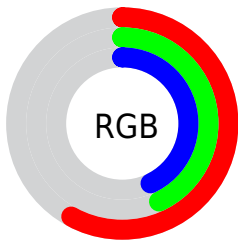
Format	Color
R_{YB}	148, 109, 109
Decimal	9727341
CIE _{Lab}	49.90, 15.51, 6.08
CIE _{LCh}	50, 16.654, 21.407
Yxy	18.3373, 0.3669, 0.3292
Android (android.graphics.Color)	4287917421 (0xFF946D6D)
YUV	120.6610, -5.7489, 23.9763
Hunter-Lab	42.8221, 10.2708, 6.5346

Details

The XYZ color **20.4417, 18.3373, 16.9301** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2416, 26.5684, 31.9730**, and the grayscale version is **18.0777, 19.0192, 20.7119**.

A 20% lighter version of the original color is **43.7186, 40.7243, 38.8141**, and **7.3621, 6.1721, 5.3607** is the 20% darker color. If you saturate the color by 10%, you get **18.2631, 15.1496, 12.5986**, and if you desaturate by 10%, it is **23.0213, 22.1120, 22.0576**.

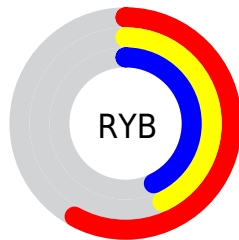
Distribution



Red (58%)

Green (43%)

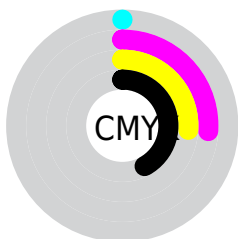
Blue (43%)



Red (58%)

Yellow (43%)

Blue (43%)

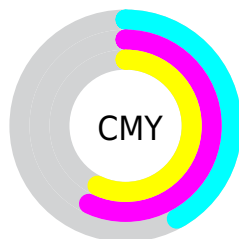


Cyan (0%)

Magenta (26%)

Yellow (26%)

Black (42%)



Cyan (42%)


Magenta (57%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4417, 18.3373, 16.9301 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 20.4417, 18.3373, 16.9301 by changing the saturation by 10% instead.


 20.4417, 18.3373,
16.9301


 20.4417, 18.3373,
16.9301


247.0846,
242.7654, 246.7995

 12.8266, 11.1924,
10.0232


 43.6548, 40.6112,
38.9946


 7.3855, 6.1964,
5.3086


 59.9836, 56.5091,
54.9892

 3.7528, 2.9649,
2.3675

 79.9476, 76.0934,
74.8503

 1.5632, 1.1134,
0.7687

 103.9123, 99.7485,
98.9962

 0.3683, 0.0000,
0.0000

132.2430,
127.8589, 127.8455

 0.0000, 0.0000,
0.0000

165.3051,

160.8089, 161.8168

203.4638,
198.9830, 201.3287

■ 20.4417, 18.3373,
16.9301

■ 20.4417, 18.3373,
16.9301

■ 18.2631, 15.1496,
12.5986

■ 23.0213, 22.1120,
22.0576

■ 16.4641, 12.5170,
9.0222

■ 26.0189, 26.4985,
28.0169

■ 15.0232, 10.4086,
6.1579

■ 29.4527, 31.5230,
34.8432

■ 13.9166, 8.7893,
3.9582

■ 33.3389, 37.2096,
42.5691

■ 13.1175, 7.6199,
2.3696

■ 37.6933, 43.5813,
51.2257

■ 12.5947, 6.8549,
1.3305

■ 42.5307, 50.6596,
60.8426

■ 12.3011, 6.4252,
0.7469

■ 47.8653, 58.4656,
71.4479

■ 12.2129, 6.2962,
0.5716

■ 53.7107, 67.0189,
83.0688

■ 60.0801, 76.3389,
95.7312

Harmonies

Analogous

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



20.6393, 18.3373, 21.3068



20.4417, 18.3373, 16.9301



19.4120, 18.3373, 13.8603

Triad

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



20.4417, 18.3373, 16.9301



15.1412, 18.3373, 14.9752



16.9750, 18.3373, 29.9660

Complementary

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



20.4417, 18.3373, 16.9301



22.2416, 26.5684, 31.9730

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.



15.5859, 18.3373, 27.6444



20.4417, 18.3373, 16.9301



14.5703, 18.3373, 18.6830

Square

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



20.4417, 18.3373, 16.9301



16.3339, 18.3373, 12.8571



14.7280, 18.3373, 23.3452



18.5721, 18.3373, 29.3060

Rectangle

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



20.4417, 18.3373, 16.9301



18.4248, 18.3373, 12.7474



14.7280, 18.3373, 23.3452



16.4698, 18.3373, 29.4970

Sweetspot

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



20.4422, 18.3382, 16.9305



44.8961, 45.2729, 47.4206



23.0268, 19.3715, 30.5425



10.0733, 10.0780, 10.4762



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.



20.4422, 18.3382, 16.9305



33.5713, 28.7016, 24.9073



22.7578, 22.9693, 17.7023



5.8008, 5.8155, 6.0572



10.4318, 5.3779, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



22.2416, 26.5684, 31.9730



37.3295, 45.8912, 56.3250



19.4367, 20.9587, 31.0381



5.9641, 6.5622, 7.4220



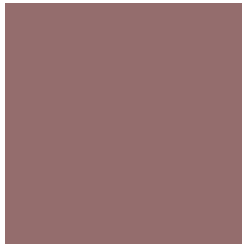
13.6098, 19.9145, 27.0576



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 20.4417, 18.3373, 16.9301 looks on a white background.

Color Contrast Check

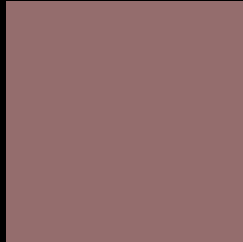
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4417, 18.3373, 16.9301 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 20.4417, 18.3373, 16.9301

Background



This preview shows how black text looks on a background with the XYZ color 20.4417, 18.3373, 16.9301.



This preview shows how white text looks on a background with the XYZ color 20.4417, 18.3373,

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

20.4417, 18.3373, 16.9301

Protanopia

17.5417, 18.3093, 18.5291

Deuteranopia

18.8292, 18.4951, 16.7649



Tritanopia

20.9094, 18.3756, 18.9678

Trichromacy



Original Color

20.4417, 18.3373, 16.9301

Protanomaly

18.4154, 18.2566, 17.8825

Deuteranomaly

19.4271, 18.4684, 16.7282

Tritanomaly

20.7376, 18.3069, 18.0634

Monochromacy



Original Color

20.4417, 18.3373, 16.9301

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9322, 18.8322, 19.4668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4417, 18.3373, 16.9301 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(148, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(148, 109, 109)  
}
```

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(148, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 109, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.4417, 18.3373, 16.9301 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(148, 109, 109) }
```


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

```
.border{ border-color:rgb(148, 109, 109) }
```

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

Here you see how a box with a 4 pixel rgb(148, 109, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 109, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 109, 109);  
box-shadow:4px 4px 4px 4px rgb(148, 109,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4417, 18.3373, 16.9301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 109, 109) }
```

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

```
.background{ background-color: rgb(148,  
109, 109) }
```

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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