

Converting Colors

XYZ(21.3330, 17.9341, 16.0188)

Have a look what the booklet for
XYZ(21.3330, 17.9341, 16.0188)
contains.

XYZ(21.3564, 17.9092, 15.9669)	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(21.3564, 17.9092,
15.9669)**

Conversions

Conversions Part 1

Format	Color
Hex	9D676A
RGB	157, 103, 106
RGB Percent	62%, 40%, 42%
CMY	0.3843, 0.5961, 0.5843
CMYK	0.00, 0.34, 0.32, 0.38
HSL	357°, 22%, 51%
HSV	357°, 34%, 62%
XYZ	21.3564, 17.9092, 15.9669
YIQ	119.4880, 31.2210, 12.3810

Conversions

Conversions Part 2

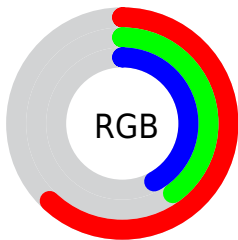
Format	Color
R _Y B	157, 103, 106
Decimal	10315626
CIE Lab	49.39, 22.14, 7.27
CIE LCh	49, 23.299, 18.174
Yxy	17.9092, 0.3867, 0.3243
Android (android.graphics.Color)	4288505706 (0xFF9D676A)
YUV	119.4880, -6.6496, 32.8980
Hunter-Lab	42.3193, 16.0212, 7.2536

Details

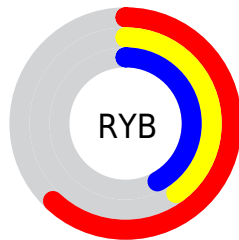
The XYZ color **21.3564, 17.9092, 15.9669** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.4840, 29.3310, 34.9971**, and the grayscale version is **17.7033, 18.6253, 20.2829**.

A 20% lighter version of the original color is **45.2477, 40.0231, 37.2387**, and **7.8645, 5.9912, 4.8796** is the 20% darker color. If you saturate the color by 10%, you get **19.2333, 14.7922, 11.7780**, and if you desaturate by 10%, it is **23.9071, 21.6678, 20.9567**.

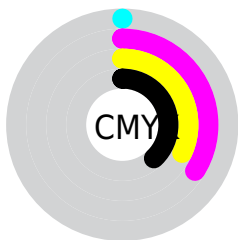
Distribution



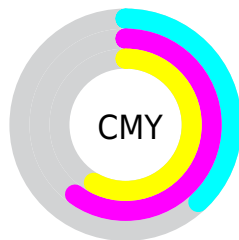
- Red (62%)
- Green (40%)
- Blue (42%)



- Red (62%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (34%)
- Yellow (32%)
- Black (38%)



- Cyan (38%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3564, 17.9092, 15.9669 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 21.3564, 17.9092, 15.9669 by changing the saturation by 10% instead.

■ 21.3564, 17.9092,
15.9669

■ 21.3564, 17.9092,
15.9669

251.8626,
240.3588, 240.9854

■ 13.4987, 10.8848,
9.3466

■ 45.1668, 39.8825,
37.3067

■ 7.8522, 5.9894,
4.8681

■ 61.8501, 55.6003,
52.8634

■ 4.0515, 2.8387,
2.1127

■ 82.2061, 74.9846,
72.2359

■ 1.7313, 1.0481,
0.6233

■ 106.6001, 98.4199,
95.8428

■ 0.4758, 0.0000,
0.0000

135.3973,
126.2906, 124.1026

■ 0.0000, 0.0000,
0.0000

168.9633,

158.9810, 157.4340

207.6632,
196.8756, 196.2554

■ 21.3564, 17.9092,
15.9669

■ 21.3564, 17.9092,
15.9669

■ 19.2333, 14.7922,
11.7780

■ 23.9071, 21.6678,
20.9567

■ 17.5130, 12.2784,
8.3472

■ 26.9054, 26.0981,
26.7848

■ 16.1704, 10.3297,
5.6295


■ 30.3720, 31.2318,
33.4877


■ 15.1771, 8.9022,
3.5746


■ 34.3256, 37.0975,
41.0995


■ 14.5006, 7.9459,
2.1258


■ 38.7842, 43.7225,
49.6523


 14.1016, 7.3998,
1.2166

 43.7646, 51.1323,
59.1766

 13.9524, 7.1872,
0.9021

 49.2830, 59.3517,
69.7018

 55.3548, 68.4041,
81.2559

 61.9949, 78.3119,
93.8656

Harmonies

Analogous

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



21.4975, 17.9092, 22.0842



21.3564, 17.9092, 15.9669



19.9954, 17.9092, 11.8070

Triad

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



21.3564, 17.9092, 15.9669



14.0662, 17.9092, 12.4976



16.1716, 17.9092, 33.8889

Complementary

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



21.3564, 17.9092, 15.9669



23.4840, 29.3310, 34.9971

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.



14.3593, 17.9092, 29.9682



21.3564, 17.9092, 15.9669



13.2155, 17.9092, 17.1258

Square

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



21.3564, 17.9092, 15.9669



15.7391, 17.9092, 10.1210



13.3180, 17.9092, 23.5194



18.3731, 17.9092, 33.3904

Rectangle

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



21.3564, 17.9092, 15.9669



18.6404, 17.9092, 10.2921



13.3180, 17.9092, 23.5194



15.5004, 17.9092, 33.0147

Sweetspot

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



21.3569, 17.9101, 15.9673



50.6881, 50.4439, 52.8159



24.1491, 18.9470, 34.2827



10.9797, 10.8424, 11.2853



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.



21.3569, 17.9101, 15.9673



35.3635, 27.8378, 22.9120



23.8655, 23.1723, 16.0479



6.6472, 6.6518, 6.9935



11.3365, 5.8392, 0.7572



0.2066, 0.1060, 0.0339

Inverse Universe

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



21.3569, 17.9101, 15.9673



35.3635, 27.8378, 22.9120



20.1500, 22.2585, 35.1327



6.6472, 6.6518, 6.9935



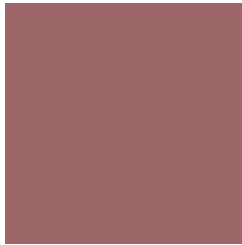
11.3365, 5.8392, 0.7572



0.2066, 0.1060, 0.0339

Previews

White Background



This preview shows how the XYZ color 21.3564, 17.9092, 15.9669 looks on a white background.

Color Contrast Check

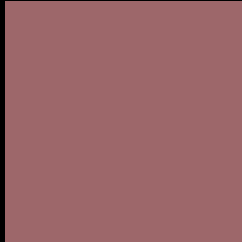
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3564, 17.9092, 15.9669 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 21.3564, 17.9092, 15.9669

Background



This preview shows how black text looks on a background with the XYZ color 21.3564, 17.9092, 15.9669.



This preview shows how white text looks on a background with the XYZ color 21.3564, 17.9092,

15.9669.

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

21.3564, 17.9092, 15.9669

Protanopia

17.2837, 18.0024, 18.4835

Deuteranopia

18.2353, 17.8781, 15.5864



Tritanopia

21.4705, 17.7966, 17.0553

Trichromacy



Original Color

21.3564, 17.9092, 15.9669

Protanomaly

18.4949, 17.8044, 17.5007

Deuteranomaly

19.1738, 17.7080, 15.7720

Tritanomaly

21.4163, 17.7750, 16.7701

Monochromacy



Original Color

21.3564, 17.9092, 15.9669

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.6153, 18.0117, 18.4151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3564, 17.9092, 15.9669 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, 103, 106)` looks like.

```
.text, #text, p{  
    color:rgb(157, 103, 106)  
}
```

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, 103, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 103, 106) }
```

Border

The CSS property to change the border of an element to XYZ 21.3564, 17.9092, 15.9669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

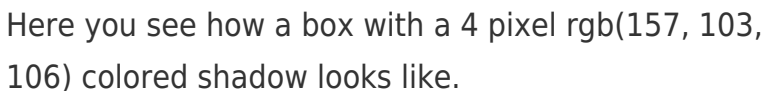
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 103, 106) }
```


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

```
.border{ border-color:rgb(157, 103, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 103, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 103, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 103, 106);  
box-shadow:4px 4px 4px 4px rgb(157, 103,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3564, 17.9092, 15.9669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 103, 106) }
```

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

```
.background{ background-color: rgb(157,  
103, 106) }
```

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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