

Converting Colors

XYZ(19.6928, 17.3759, 11.6948)

Have a look what the booklet for
XYZ(19.6928, 17.3759, 11.6948)
contains.

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Color

**XYZ(19.8036, 17.4998,
11.7852)**

Conversions

Conversions Part 1

Format	Color
Hex	986959
RGB	152, 105, 89
RGB Percent	60%, 41%, 35%
CMY	0.4039, 0.5882, 0.6510
CMYK	0.00, 0.31, 0.41, 0.40
HSL	15°, 26%, 47%
HSV	15°, 41%, 60%
XYZ	19.8036, 17.4998, 11.7852
YIQ	117.2290, 33.1480, 4.9880

Conversions

Conversions Part 2

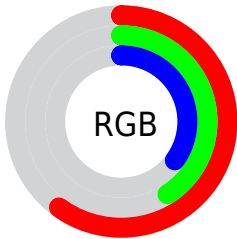
Format	Color
RYB	152, 110, 89
Decimal	9988441
CIELab	48.88, 16.75, 16.55
CIElCh	49, 23.548, 44.669
Yxy	17.4998, 0.4034, 0.3565
Android (android.graphics.Color)	4288178521 (0xFF986959)
YUV	117.2290, -13.9169, 30.4942
Hunter-Lab	41.8328, 11.2944, 12.5796

Details

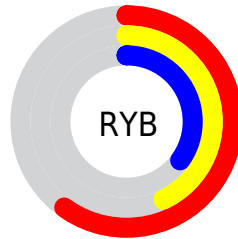
The XYZ color **19.8036, 17.4998, 11.7852** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.5910, 21.9982, 32.9719**, and the grayscale version is **17.0145, 17.9006, 19.4938**.

A 20% lighter version of the original color is **42.5611, 39.0509, 29.7205**, and **7.0448, 5.7533, 3.0247** is the 20% darker color. If you saturate the color by 10%, you get **18.1512, 15.1131, 8.4039**, and if you desaturate by 10%, it is **21.7427, 20.2489, 15.9127**.

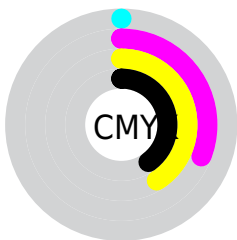
Distribution



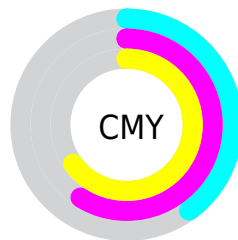
- Red (60%)
- Green (41%)
- Blue (35%)



- Red (60%)
- Yellow (43%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (41%)
- Black (40%)





- Cyan (40%)
- Magenta (59%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8036, 17.4998, 11.7852 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 19.8036, 17.4998, 11.7852 by changing the saturation by 10% instead.


 19.8036, 17.4998,
11.7852


 19.8036, 17.4998,
11.7852


243.7038,
238.0363, 213.9052

 12.3598, 10.5915,
6.4768


 42.5941, 39.1831,
29.7618


 7.0631, 5.7929,
3.0637


 58.6715, 54.7269,
43.2671


 3.5483, 2.7195,
1.1272

 78.3575, 73.9180,
60.3418

 1.4499, 0.9871,
0.0000

 102.0175, 97.1407,
81.4045

 0.2914, 0.0000,
0.0000

 130.0167,
124.7796, 106.8736

 0.0000, 0.0000,
0.0000

162.7206,

157.2188, 137.1677

200.4945,
194.8430, 172.7054

■ 19.8036, 17.4998,
11.7852

■ 19.8036, 17.4998,
11.7852

■ 18.1512, 15.1131,
8.4039

■ 21.7427, 20.2489,
15.9127

■ 16.7699, 13.0710,
5.7227

■ 23.9805, 23.3724,
20.8266

■ 15.6447, 11.3577,
3.6919

■ 26.5295, 26.8846,
26.5655

■ 14.7584, 9.9552,
2.2550

■ 29.4016, 30.7985,
33.1652

■ 14.0912, 8.8438,
1.3451

■ 32.6076, 35.1264,
40.6591

■ 13.6617, 8.1010,
0.8436

■ 36.1582, 39.8801,
49.0792

■ 40.0632, 45.0709,
58.4556

■ 44.3323, 50.7097,
68.8172

■ 48.9747, 56.8069,
80.1917

Harmonies

Analogous

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



21.0377, 17.4998, 16.1668



19.8036, 17.4998, 11.7852



17.7688, 17.4998, 9.6461

Triad

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



19.8036, 17.4998, 11.7852



12.9012, 17.4998, 16.0466



17.7198, 17.4998, 33.2264

Complementary

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



19.8036, 17.4998, 11.7852



18.5910, 21.9982, 32.9719

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.



15.5467, 17.4998, 33.1742



19.8036, 17.4998, 11.7852



12.8905, 17.4998, 22.2667

Square

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



19.8036, 17.4998, 11.7852



13.8507, 17.4998, 11.7139



13.8203, 17.4998, 28.8271



19.7650, 17.4998, 28.9569

Rectangle

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



19.8036, 17.4998, 11.7852



16.2934, 17.4998, 9.4016



13.8203, 17.4998, 28.8271



16.9774, 17.4998, 33.7394

Sweetspot

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



19.8040, 17.5006, 11.7855



46.4531, 46.9411, 46.0399



20.9830, 15.6050, 25.2919



10.4333, 10.4977, 10.1809



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.8040, 17.5006, 11.7855



32.1661, 26.8621, 15.0882



23.5915, 25.0755, 13.0480



6.3300, 6.4651, 6.5201



11.4770, 6.8365, 0.7147



0.1975, 0.1540, 0.0193

Inverse Universe

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



18.5910, 21.9982, 32.9719



29.7003, 35.8893, 57.7956



14.8136, 14.4433, 31.7127



6.2517, 6.7607, 7.9044



9.7653, 11.9273, 26.6952



0.1743, 0.2349, 0.4085

Previews

White Background



This preview shows how the XYZ color 19.8036, 17.4998, 11.7852 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 19.8036, 17.4998, 11.7852 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 19.8036, 17.4998, 11.7852

Background



This preview shows how black text looks on a background with the XYZ color 19.8036, 17.4998, 11.7852.



This preview shows how white text looks on a background with the XYZ color 19.8036, 17.4998,

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

19.8036, 17.4998, 11.7852

Protanopia

16.4342, 17.5099, 13.1032

Deuteranopia

17.8721, 17.6113, 11.6899



Tritanopia

20.8923, 17.4986, 17.0283

Trichromacy



Original Color

19.8036, 17.4998, 11.7852

Protanomaly

17.5575, 17.4294, 12.5640

Deuteranomaly

18.3854, 17.3926, 11.6206

Tritanomaly

20.3854, 17.4321, 14.8607

Monochromacy



Original Color

19.8036, 17.4998, 11.7852

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7649, 17.6176, 16.3741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8036, 17.4998, 11.7852 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(152, 105, 89)` looks like.

```
.text, #text, p{  
    color:rgb(152, 105, 89)  
}
```

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(152, 105, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 105, 89) }
```

Border

The CSS property to change the border of an element to XYZ 19.8036, 17.4998, 11.7852 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(152, 105, 89) }
```


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

```
.border{ border-color:rgb(152, 105, 89) }
```

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

Here you see how a box with a 4 pixel rgb(152, 105, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 105, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 105, 89);  
box-shadow:4px 4px 4px 4px rgb(152, 105,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8036, 17.4998, 11.7852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 105, 89) }
```

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

```
.background{ background-color: rgb(152,  
105, 89) }
```

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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