

Converting Colors

XYZ(19.8267, 17.0754, 12.3306)

Have a look what the booklet for
XYZ(19.8267, 17.0754, 12.3306)
contains.

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Color

**XYZ(19.8200, 17.0478,
12.3711)**

Conversions

Conversions Part 1

Format	Color
Hex	99665C
RGB	153, 102, 92
RGB Percent	60%, 40%, 36%
CMY	0.4000, 0.6000, 0.6392
CMYK	0.00, 0.33, 0.40, 0.40
HSL	10°, 25%, 48%
HSV	10°, 40%, 60%
XYZ	19.8200, 17.0478, 12.3711
YIQ	116.1090, 33.6060, 7.7020

Conversions

Conversions Part 2

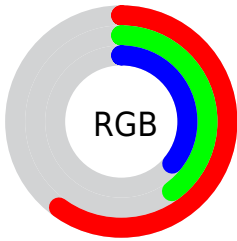
Format	Color
R_{YB}	153, 104, 92
Decimal	10053212
CIE _{Lab}	48.32, 19.26, 14.03
CIE _{LCh}	48, 23.826, 36.073
Yxy	17.0478, 0.4025, 0.3462
Android (android.graphics.Color)	4288243292 (0xFF99665C)
YUV	116.1090, -11.8857, 32.3534
Hunter-Lab	41.2890, 13.4299, 11.1377

Details

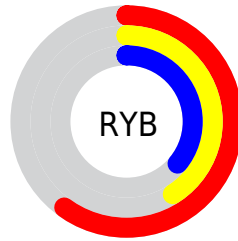
The XYZ color **19.8200, 17.0478, 12.3711** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.9853, 24.2190, 33.7583**, and the grayscale version is **16.6624, 17.5301, 19.0903**.

A 20% lighter version of the original color is **42.5682, 38.2908, 30.7385**, and **7.0678, 5.5449, 3.2825** is the 20% darker color. If you saturate the color by 10%, you get **18.0560, 14.4843, 8.8100**, and if you desaturate by 10%, it is **21.9139, 20.0550, 16.7090**.

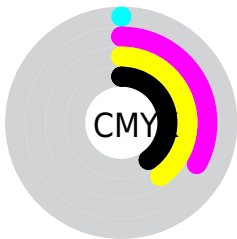
Distribution



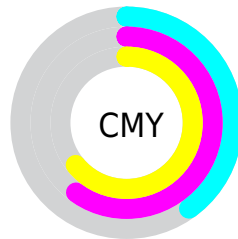
- Red (60%)
- Green (40%)
- Blue (36%)



- Red (60%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (33%)
- Yellow (40%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8200, 17.0478, 12.3711 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 19.8200, 17.0478, 12.3711 by changing the saturation by 10% instead.

■ 19.8200, 17.0478,
12.3711

■ 19.8200, 17.0478,
12.3711

243.7912,
235.4477, 217.9112

■ 12.3718, 10.2686,
6.8713

■ 42.6214, 38.4079,
30.8437

■ 7.0714, 5.5774,
3.3045

■ 58.7054, 53.7576,
44.6535

■ 3.5535, 2.5899,
1.2522

■ 78.3986, 72.7330,
62.0705

■ 1.4528, 0.9216,
0.0221

■ 102.0664, 95.7183,
83.5132

■ 0.2934, 0.0000,
0.0000

130.0742,
123.0981, 109.4000

■ 0.0000, 0.0000,
0.0000

162.7874,

155.2566, 140.1496

200.5713,
192.5784, 176.1805

■ 19.8200, 17.0478,
12.3711

■ 19.8200, 17.0478,
12.3711

■ 18.0560, 14.4843,
8.8100

■ 21.9139, 20.0550,
16.7090

■ 16.6036, 12.3409,
5.9786

■ 24.3523, 23.5229,
21.8650

■ 15.4447, 10.5958,
3.8264

■ 27.1503, 27.4709,
27.8785

■ 14.5584, 9.2240,
2.2957

■ 30.3219, 31.9162,
34.7862

■ 13.9214, 8.1977,
1.3194

■ 33.8801, 36.8755,
42.6228

■ 13.4911, 7.4791,
0.7383

■ 37.8376, 42.3644,
51.4208

■ 13.4864, 7.4715,
0.7313

■ 42.2061, 48.3981,
61.2113

■ 46.9972, 54.9910,
72.0241

■ 52.2219, 62.1571,
83.8877

Harmonies

Analogous

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



20.7227, 17.0478, 17.3250



19.8200, 17.0478, 12.3711



17.9575, 17.0478, 9.6332

Triad

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



19.8200, 17.0478, 12.3711



12.6770, 17.0478, 14.1203



16.6494, 17.0478, 33.1820

Complementary

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



19.8200, 17.0478, 12.3711



19.9853, 24.2190, 33.7583

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.



14.5675, 17.0478, 31.7865



19.8200, 17.0478, 12.3711



12.3942, 17.0478, 19.8568

Square

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



19.8200, 17.0478, 12.3711



13.8660, 17.0478, 10.4739



13.0559, 17.0478, 26.5356



18.7898, 17.0478, 30.0090

Rectangle

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



19.8200, 17.0478, 12.3711



16.4912, 17.0478, 9.0017



13.0559, 17.0478, 26.5356



15.9190, 17.0478, 33.2395

Sweetspot

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



19.8204, 17.0486, 12.3714



47.3770, 47.4435, 47.2344



21.9866, 16.4357, 28.3390



10.3298, 10.2907, 10.1464



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.



19.8204, 17.0486, 12.3714



32.6034, 26.3303, 16.3088



23.2725, 23.9528, 13.5221



6.2866, 6.3783, 6.5056



11.1638, 6.2100, 0.6103



0.1850, 0.1291, 0.0152

Inverse Universe

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



19.9853, 24.2190, 33.7583



32.9235, 40.9950, 60.1495



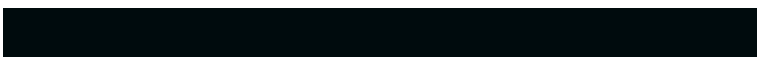
16.1077, 16.4638, 32.4658



6.2983, 6.8540, 7.9200



11.1424, 14.6815, 27.1543



0.1868, 0.2600, 0.4127

Previews

White Background



This preview shows how the XYZ color 19.8200, 17.0478, 12.3711 looks on a white background.

Color Contrast Check

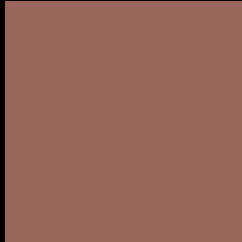
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8200, 17.0478, 12.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

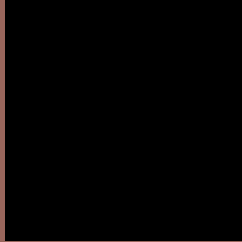
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8200, 17.0478, 12.3711

Background



This preview shows how black text looks on a background with the XYZ color 19.8200, 17.0478, 12.3711.



This preview shows how white text looks on a background with the XYZ color 19.8200, 17.0478,

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

19.8200, 17.0478, 12.3711

Protanopia

16.2205, 17.2083, 14.0219

Deuteranopia

17.4131, 17.0409, 12.0443



Tritanopia

20.5374, 17.0459, 16.1177

Trichromacy



Original Color

19.8200, 17.0478, 12.3711

Protanomaly

17.3601, 16.9829, 13.4294

Deuteranomaly

18.3014, 17.0215, 12.2184

Tritanomaly

20.3784, 17.1367, 14.8040

Monochromacy



Original Color

19.8200, 17.0478, 12.3711

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.3915, 17.0975, 16.2934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8200, 17.0478, 12.3711 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(153, 102, 92)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 92)  
}
```

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(153, 102, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 92) }
```

Border

The CSS property to change the border of an element to XYZ 19.8200, 17.0478, 12.3711 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(153, 102, 92) }
```


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

```
.border{ border-color:rgb(153, 102, 92) }
```

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

Here you see how a box with a 4 pixel rgb(153, 102, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(153, 102,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8200, 17.0478, 12.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 92) }
```

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

```
.background{ background-color: rgb(153,  
102, 92) }
```

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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