

Converting Colors

XYZ(20.0971, 16.7607, 16.7271)

Have a look what the booklet for
XYZ(20.0971, 16.7607, 16.7271)
contains.

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Color

**XYZ(20.0800, 16.7978,
16.6520)**

Conversions

Conversions Part 1

Format	Color
Hex	97646D
RGB	151, 100, 109
RGB Percent	59%, 39%, 43%
CMY	0.4078, 0.6078, 0.5725
CMYK	0.00, 0.34, 0.28, 0.41
HSL	349°, 20%, 49%
HSV	349°, 34%, 59%
XYZ	20.0800, 16.7978, 16.6520
YIQ	116.2750, 27.5070, 13.6110

Conversions

Conversions Part 2

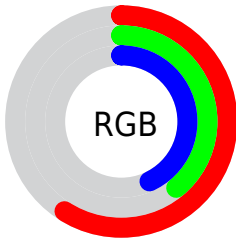
Format	Color
R_{YB}	151, 100, 109
Decimal	9921645
CIE _{Lab}	48.00, 21.91, 3.40
CIE _{LCh}	48, 22.173, 8.815
Yxy	16.7978, 0.3751, 0.3138
Android (android.graphics.Color)	4288111725 (0xFF97646D)
YUV	116.2750, -3.5866, 30.4538
Hunter-Lab	40.9851, 15.7292, 4.6004

Details

The XYZ color **20.0800, 16.7978, 16.6520** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2054, 26.7959, 29.6470**, and the grayscale version is **16.6900, 17.5592, 19.1220**.

A 20% lighter version of the original color is **42.8654, 37.7931, 38.2933**, and **7.2431, 5.4564, 5.2289** is the 20% darker color. If you saturate the color by 10%, you get **18.1409, 13.9162, 12.9331**, and if you desaturate by 10%, it is **22.3832, 20.2558, 20.9600**.

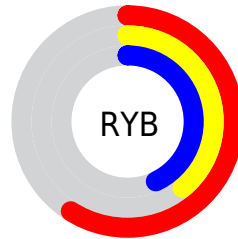
Distribution



Red (59%)

Green (39%)

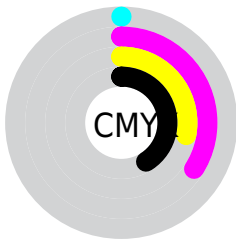
Blue (43%)



Red (59%)

Yellow (39%)

Blue (43%)

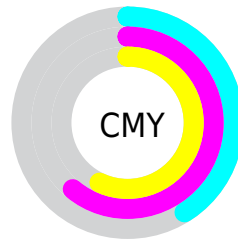


Cyan (0%)

Magenta (34%)

Yellow (28%)

Black (41%)



Cyan (41%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0800, 16.7978, 16.6520 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 20.0800, 16.7978, 16.6520 by changing the saturation by 10% instead.

■ 20.0800, 16.7978,
16.6520

■ 20.0800, 16.7978,
16.6520

245.1732,
234.0045, 245.1346

■ 12.5618, 10.0904,
9.8274

■ 43.0542, 37.9778,
38.5089

■ 7.2024, 5.4590,
5.1805

■ 59.2409, 53.2192,
54.3782

■ 3.6365, 2.5190,
2.2930

■ 79.0478, 72.0741,
74.0995

■ 1.4986, 0.8861,
0.7273

■ 102.8403, 94.9269,
98.0913

■ 0.3249, 0.0000,
0.0000

130.9838,
122.1619, 126.7722

■ 0.0000, 0.0000,
0.0000

163.8435,

154.1636, 160.5607

201.7848,
191.3163, 199.8753

■ 20.0800, 16.7978,
16.6520

■ 20.0800, 16.7978,
16.6520

■ 18.1409, 13.9162,
12.9331

■ 22.3832, 20.2558,
20.9600

■ 16.5457, 11.5773,
9.7765

■ 25.0666, 24.3166,
25.8803

■ 15.2744, 9.7475,
7.1549


■ 28.1469, 29.0082,
31.4360


■ 14.3041, 8.3888,
5.0379


■ 31.6394, 34.3557,
37.6488


■ 13.6091, 7.4574,
3.3925

■ 35.5588, 40.3831,
44.5392


 13.1589, 6.9012,
2.1811

 39.9188, 47.1132,
52.1271

 12.9562, 6.6568,
1.6172

 44.7326, 54.5676,
60.4313

 50.0128, 62.7671,
69.4700

 55.7716, 71.7316,
79.2606

Harmonies

Analogous

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



19.8309, 16.7978, 22.5704



20.0800, 16.7978, 16.6520



19.1570, 16.7978, 12.2133

Triad

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



20.0800, 16.7978, 16.6520



13.6724, 16.7978, 10.9744



14.6147, 16.7978, 30.6158

Complementary

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



20.0800, 16.7978, 16.6520



21.2054, 26.7959, 29.6470

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.



13.1502, 16.7978, 26.1072



20.0800, 16.7978, 16.6520



12.6387, 16.7978, 14.5880

Square

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



20.0800, 16.7978, 16.6520



15.3831, 16.7978, 9.4154



12.4559, 16.7978, 20.0319



16.5630, 16.7978, 31.4908

Rectangle

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



20.0800, 16.7978, 16.6520



18.0432, 16.7978, 10.3866



12.4559, 16.7978, 20.0319



14.0543, 16.7978, 29.4357

Sweetspot

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



20.0805, 16.7986, 16.6523



46.7785, 46.4172, 49.7696



21.2390, 17.0694, 31.4536



10.4744, 10.3101, 11.0266



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.



20.0805, 16.7986, 16.6523



33.1164, 25.8512, 24.3807



21.3260, 20.0256, 14.7989



6.2511, 6.2396, 6.7023



11.0301, 5.6663, 1.4176



0.1746, 0.0886, 0.0725

Inverse Universe

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



20.0805, 16.7986, 16.6523



33.1164, 25.8512, 24.3807



19.4852, 22.2304, 32.5422



6.2511, 6.2396, 6.7023



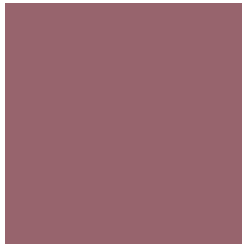
11.0301, 5.6663, 1.4176



0.1746, 0.0886, 0.0725

Previews

White Background



This preview shows how the XYZ color 20.0800, 16.7978, 16.6520 looks on a white background.

Color Contrast Check

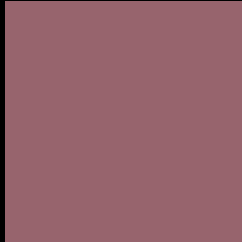
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0800, 16.7978, 16.6520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

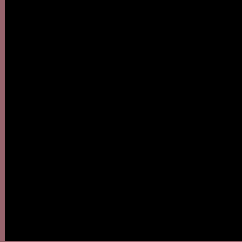
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0800, 16.7978, 16.6520

Background



This preview shows how black text looks on a background with the XYZ color 20.0800, 16.7978, 16.6520.



This preview shows how white text looks on a background with the XYZ color 20.0800, 16.7978,

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

20.0800, 16.7978, 16.6520

Protanopia

16.4307, 17.0320, 19.2511

Deuteranopia

17.1319, 16.8026, 16.2502



Tritanopia

20.0264, 16.7764, 16.3700

Trichromacy



Original Color

20.0800, 16.7978, 16.6520

Protanomaly

17.5592, 16.8193, 18.2406

Deuteranomaly

18.0142, 16.6250, 16.4469

Tritanomaly

20.0264, 16.7764, 16.3700

Monochromacy



Original Color

20.0800, 16.7978, 16.6520

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.6098, 17.0112, 17.9781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0800, 16.7978, 16.6520 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(151, 100, 109)` looks like.

```
.text, #text, p{  
    color:rgb(151, 100, 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(151, 100, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 100, 109) }
```

Border

The CSS property to change the border of an element to XYZ 20.0800, 16.7978, 16.6520 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(151, 100, 109) }
```


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

```
.border{ border-color:rgb(151, 100, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 100, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 100, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 100, 109);  
box-shadow:4px 4px 4px 4px rgb(151, 100,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0800, 16.7978, 16.6520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 100, 109) }
```

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

```
.background{ background-color: rgb(151,  
100, 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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