

Converting Colors

XYZ(20.8912, 17.3877, 16.9673)

Have a look what the booklet for
XYZ(20.8912, 17.3877, 16.9673)
contains.

XYZ(20.7946, 17.3032, 16.9957)	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(20.7946, 17.3032,
16.9957)**

Conversions

Conversions Part 1

Format	Color
Hex	9A656E
RGB	154, 101, 110
RGB Percent	60%, 40%, 43%
CMY	0.3961, 0.6039, 0.5686
CMYK	0.00, 0.34, 0.29, 0.40
HSL	350°, 21%, 50%
HSV	350°, 34%, 60%
XYZ	20.7946, 17.3032, 16.9957
YIQ	117.8730, 28.6990, 14.0350

Conversions

Conversions Part 2

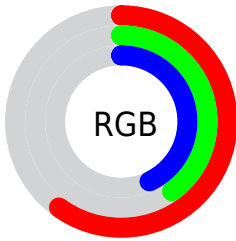
Format	Color
R_{YB}	154, 101, 110
Decimal	10118510
CIE _{Lab}	48.64, 22.66, 3.76
CIE _{LCh}	49, 22.973, 9.427
Yxy	17.3032, 0.3774, 0.3141
Android (android.graphics.Color)	4288308590 (0xFF9A656E)
YUV	117.8730, -3.8814, 31.6834
Hunter-Lab	41.5971, 16.4381, 4.8933

Details

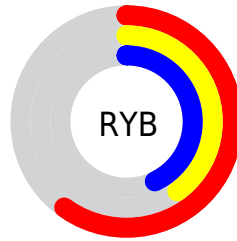
The XYZ color **20.7946, 17.3032, 16.9957** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.0341, 27.9227, 31.0179**, and the grayscale version is **17.1861, 18.0811, 19.6903**.

A 20% lighter version of the original color is **44.4026, 39.0573, 38.9168**, and **7.5371, 5.6718, 5.4001** is the 20% darker color. If you saturate the color by 10%, you get **18.7905, 14.3297, 13.1374**, and if you desaturate by 10%, it is **23.1804, 20.8789, 21.4772**.

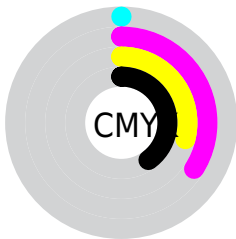
Distribution



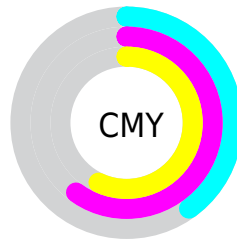
- Red (60%)
- Green (40%)
- Blue (43%)



- Red (60%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (34%)
- Yellow (29%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7946, 17.3032, 16.9957 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 20.7946, 17.3032, 16.9957 by changing the saturation by 10% instead.

■ 20.7946, 17.3032,
16.9957

■ 20.7946, 17.3032,
16.9957

248.9373,
236.9136, 247.1907

■ 13.0855, 10.4509,
10.0695

■ 44.2393, 38.8463,
39.1089

■ 7.5649, 5.6989,
5.3389

■ 60.7057, 54.3060,
55.1330

■ 3.8673, 2.6629,
2.3852

■ 80.8218, 73.4035,
75.0269

■ 1.6273, 0.9584,
0.7784

■ 104.9532, 96.5234,
99.2090

■ 0.4101, 0.0000,
0.0000

133.4650,
124.0499, 128.0979

■ 0.0000, 0.0000,
0.0000

166.7228,

156.3675, 162.1121

205.0917,
193.8606, 201.6702

■ 20.7946, 17.3032,
16.9957

■ 20.7946, 17.3032,
16.9957

■ 18.7905, 14.3297,
13.1374

■ 23.1804, 20.8789,
21.4772

■ 17.1465, 11.9228,
9.8735

■ 25.9648, 25.0850,
26.6068

■ 15.8415, 10.0471,
7.1744


■ 29.1657, 29.9505,
32.4096


■ 14.8511, 8.6621,
5.0076


■ 32.7992, 35.5024,
38.9086


■ 14.1478, 7.7213,
3.3369


■ 36.8808, 41.7658,
46.1261


 13.6984, 7.1682,
2.1216

 41.4251, 48.7647,
54.0832

 13.5145, 6.9453,
1.6140

 46.4460, 56.5219,
62.8001

 51.9570, 65.0592,
72.2963

 57.9707, 74.3977,
82.5907

Harmonies

Analogous

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



20.5564, 17.3032, 23.2381



20.7946, 17.3032, 16.9957



19.7929, 17.3032, 12.3674

Triad

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



20.7946, 17.3032, 16.9957



13.9955, 17.3032, 11.1977



15.0577, 17.3032, 31.9883

Complementary

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



20.7946, 17.3032, 16.9957



22.0341, 27.9227, 31.0179

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.



13.4997, 17.3032, 27.2504



20.7946, 17.3032, 16.9957



12.9240, 17.3032, 15.0355

Square

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



20.7946, 17.3032, 16.9957



15.7888, 17.3032, 9.5256



12.7506, 17.3032, 20.8136



17.1215, 17.3032, 32.8292

Rectangle

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



20.7946, 17.3032, 16.9957



18.6033, 17.3032, 10.4842



12.7506, 17.3032, 20.8136



14.4626, 17.3032, 30.7568

Sweetspot

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



20.7951, 17.3040, 16.9960



49.5224, 49.1431, 52.6222



22.0382, 17.5962, 32.8068



11.0401, 10.8666, 11.6037



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.



20.7951, 17.3040, 16.9960



35.0133, 27.3293, 25.5753



22.1289, 20.7163, 15.1453



6.2495, 6.2389, 6.6938



11.0203, 5.6623, 1.3659



0.1742, 0.0884, 0.0700

Inverse Universe

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



20.7951, 17.3040, 16.9960



35.0133, 27.3293, 25.5753



20.1768, 23.0535, 33.9583



6.2495, 6.2389, 6.6938



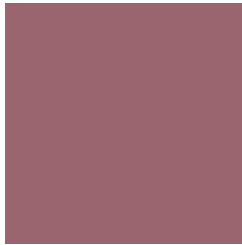
11.0203, 5.6623, 1.3659



0.1742, 0.0884, 0.0700

Previews

White Background



This preview shows how the XYZ color 20.7946, 17.3032, 16.9957 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 20.7946, 17.3032, 16.9957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

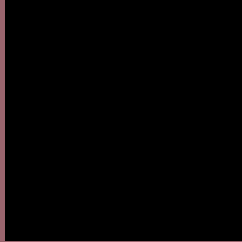
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7946, 17.3032, 16.9957

Background



This preview shows how black text looks on a background with the XYZ color 20.7946, 17.3032, 16.9957.



This preview shows how white text looks on a background with the XYZ color 20.7946, 17.3032,

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

20.7946, 17.3032, 16.9957

Protanopia

16.7369, 17.3514, 19.6066

Deuteranopia

17.7069, 17.4169, 16.6159



Tritanopia

20.7404, 17.2815, 16.7105

Trichromacy



Original Color

20.7946, 17.3032, 16.9957

Protanomaly

17.8764, 17.1355, 18.5850

Deuteranomaly

18.7703, 17.3182, 16.8214

Tritanomaly

20.7404, 17.2815, 16.7105

Monochromacy



Original Color

20.7946, 17.3032, 16.9957

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2488, 17.6514, 18.6649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7946, 17.3032, 16.9957 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(154, 101, 110)` looks like.

```
.text, #text, p{  
    color:rgb(154, 101, 110)  
}
```

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(154, 101, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 101, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.7946, 17.3032, 16.9957 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(154, 101, 110) }
```


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

```
.border{ border-color:rgb(154, 101, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 101, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 101, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 101, 110);  
box-shadow:4px 4px 4px 4px rgb(154, 101,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7946, 17.3032, 16.9957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 101, 110) }
```

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

```
.background{ background-color: rgb(154,  
101, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor