

Converting Colors

XYZ(20.9332, 17.1329, 8.0798)

Have a look what the booklet for
XYZ(20.9332, 17.1329, 8.0798)
contains.

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Color

**XYZ(20.9902, 17.1769,
8.0035)**

Conversions

Conversions Part 1

Format	Color
Hex	A56246
RGB	165, 98, 70
RGB Percent	65%, 38%, 27%
CMY	0.3529, 0.6157, 0.7255
CMYK	0.00, 0.41, 0.58, 0.35
HSL	18°, 40%, 46%
HSV	18°, 58%, 65%
XYZ	20.9902, 17.1769, 8.0035
YIQ	114.8410, 48.9200, 5.4960

Conversions

Conversions Part 2

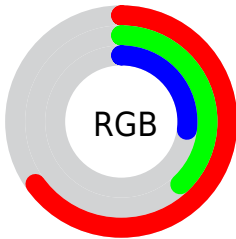
Format	Color
R_{YB}	165, 110, 70
Decimal	10838598
CIE _{Lab}	48.48, 24.28, 27.40
CIE _{LCh}	48, 36.610, 48.447
Yxy	17.1769, 0.4546, 0.3720
Android (android.graphics.Color)	4289028678 (0xFFA56246)
YUV	114.8410, -22.1066, 43.9894
Hunter-Lab	41.4450, 17.8741, 17.5620

Details

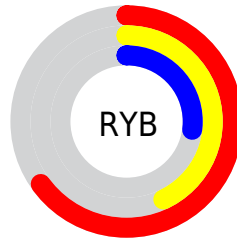
The XYZ color **20.9902, 17.1769, 8.0035** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.2624, 21.9088, 38.8634**, and the grayscale version is **16.3024, 17.1514, 18.6779**.

A 20% lighter version of the original color is **44.5086, 38.5148, 22.5410**, and **7.6227, 5.6026, 1.5993** is the 20% darker color. If you saturate the color by 10%, you get **19.5285, 14.9756, 5.2902**, and if you desaturate by 10%, it is **22.7542, 19.7538, 11.5239**.

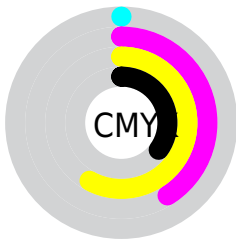
Distribution



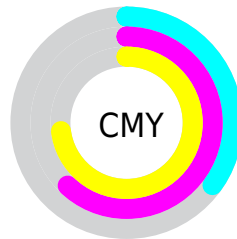
- Red (65%)
- Green (38%)
- Blue (27%)



- Red (65%)
- Yellow (43%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (58%)
- Black (35%)





- Cyan (35%)
- Magenta (62%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9902, 17.1769, 8.0035 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 20.9902, 17.1769, 8.0035 by changing the saturation by 10% instead.


 20.9902, 17.1769,
8.0035


 20.9902, 17.1769,
8.0035


249.9591,
236.1897, 185.6951


 13.2293, 10.3607,
4.0094


 44.5626, 38.6297,
22.5116


 7.6647, 5.6388,
1.6305


 61.1048, 54.0350,
33.8626


 3.9311, 2.6267,
0.3124

 81.3048, 73.0722,
48.5031

 1.6633, 0.9401,
0.0000

 105.5279, 96.1257,
66.8515

 0.4331, 0.0000,
0.0000

 134.1396,
123.5798, 89.3263

 0.0000, 0.0000,
0.0000

167.5051,

155.8189, 116.3462

205.9898,
193.2274, 148.3296

■ 20.9902, 17.1769,
8.0035

■ 20.9902, 17.1769,
8.0035

■ 19.5285, 14.9756,
5.2902

■ 22.7542, 19.7538,
11.5239

■ 18.3489, 13.1288,
3.3174

■ 24.8363, 22.7207,
15.9087

■ 17.4306, 11.6173,
2.0091

■ 27.2525, 26.0945,
21.2112

■ 16.7429, 10.4162,
1.2430

■ 30.0176, 29.8901,
27.4801

■ 16.6002, 10.1658,
1.0873

■ 33.1451, 34.1218,
34.7605

■ 36.6481, 38.8032,
43.0946

■ 40.5387, 43.9470,
52.5225

■ 44.8288, 49.5659,
63.0819

■ 49.5295, 55.6716,
74.8088

Harmonies

Analogous

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



23.2426, 17.1769, 13.4444



20.9902, 17.1769, 8.0035



17.6526, 17.1769, 5.8129

Triad

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



20.9902, 17.1769, 8.0035



10.7860, 17.1769, 15.2411



18.4538, 17.1769, 42.2748

Complementary

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



20.9902, 17.1769, 8.0035



18.2624, 21.9088, 38.8634

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.



15.0679, 17.1769, 43.2729



20.9902, 17.1769, 8.0035



10.9391, 17.1769, 25.1795

Square

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



20.9902, 17.1769, 8.0035



11.9585, 17.1769, 8.9292



12.4098, 17.1769, 36.2165



21.6455, 17.1769, 33.8302

Rectangle

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



20.9902, 17.1769, 8.0035



15.3967, 17.1769, 5.7334



12.4098, 17.1769, 36.2165



17.2923, 17.1769, 43.5779

Sweetspot

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



20.9906, 17.1778, 8.0038



53.8989, 53.7211, 49.5354



22.3006, 14.2171, 25.6452



11.5689, 11.4520, 10.3374



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.9906, 17.1778, 8.0038



34.3580, 25.8698, 8.3991



26.6589, 28.5144, 9.8933



7.2360, 7.4105, 7.4291



12.5971, 7.7682, 0.8355



0.3038, 0.2414, 0.0306

Inverse Universe

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



18.2624, 21.9088, 38.8634



28.9305, 35.0244, 68.9879



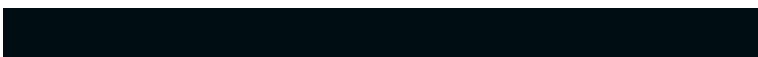
13.0230, 11.4300, 37.1169



7.0990, 7.6569, 9.0068



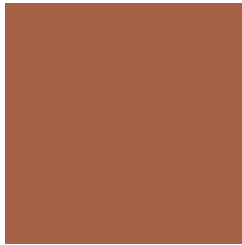
9.9389, 11.6571, 28.6560



0.2467, 0.3206, 0.6147

Previews

White Background



This preview shows how the XYZ color 20.9902, 17.1769, 8.0035 looks on a white background.

Color Contrast Check

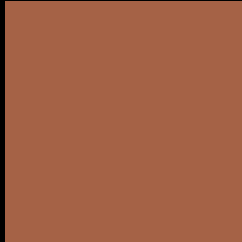
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9902, 17.1769, 8.0035 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 20.9902, 17.1769, 8.0035

Background



This preview shows how black text looks on a background with the XYZ color 20.9902, 17.1769, 8.0035.



This preview shows how white text looks on a background with the XYZ color 20.9902, 17.1769,

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

20.9902, 17.1769, 8.0035

Protanopia

16.0424, 17.3866, 9.5316

Deuteranopia

17.6038, 17.2319, 7.8671



Tritanopia

22.2880, 17.1605, 14.4495

Trichromacy



Original Color

20.9902, 17.1769, 8.0035

Protanomaly

17.5199, 17.0071, 8.8379

Deuteranomaly

18.8059, 17.2218, 7.9632

Tritanomaly

21.6636, 17.0296, 11.8181

Monochromacy



Original Color

20.9902, 17.1769, 8.0035

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3936, 16.8247, 14.1351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9902, 17.1769, 8.0035 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(165, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(165, 98, 70)  
}
```

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(165, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 98, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.9902, 17.1769, 8.0035 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(165, 98, 70) }
```


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

```
.border{ border-color:rgb(165, 98, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 98, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(165, 98,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9902, 17.1769, 8.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 98, 70) }
```

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

```
.background{ background-color: rgb(165, 98,  
70) }
```

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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