

Converting Colors

XYZ(20.7502, 21.8615, 16.4906)

Have a look what the booklet for
XYZ(20.7502, 21.8615, 16.4906)
contains.

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Color

**XYZ(20.7502, 21.8615,
16.4906)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8069
RGB	138, 128, 105
RGB Percent	54%, 50%, 41%
CMY	0.4588, 0.4980, 0.5882
CMYK	0.00, 0.07, 0.24, 0.46
HSL	42°, 14%, 48%
HSV	42°, 24%, 54%
XYZ	20.7502, 21.8615, 16.4906
YIQ	128.3680, 13.3430, -5.0330

Conversions

Conversions Part 2

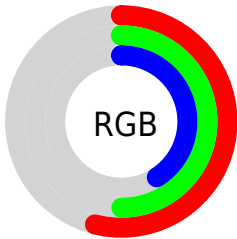
Format	Color
R_{YB}	119, 138, 105
Decimal	9076841
CIE _{Lab}	53.88, -0.14, 13.87
CIE _{LCh}	54, 13.875, 90.569
Yxy	21.8615, 0.3511, 0.3699
Android (android.graphics.Color)	4287266921 (0xFF8A8069)
YUV	128.3680, -11.5204, 8.4473
Hunter-Lab	46.7563, -2.6061, 11.8182

Details

The XYZ color **20.7502, 21.8615, 16.4906** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.5438, 17.0993, 26.4735**, and the grayscale version is **20.6817, 21.7587, 23.6952**.

A 20% lighter version of the original color is **44.2629, 46.6545, 38.1248**, and **7.5842, 7.9722, 5.1420** is the 20% darker color. If you saturate the color by 10%, you get **19.5638, 20.5330, 12.8752**, and if you desaturate by 10%, it is **22.0754, 23.2829, 20.7207**.

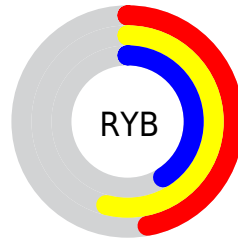
Distribution



Red (54%)

Green (50%)

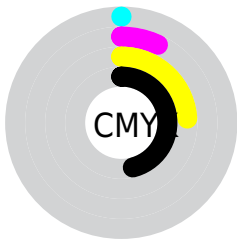
Blue (41%)



Red (47%)

Yellow (54%)

Blue (41%)

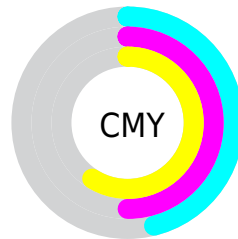


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (46%)



Cyan (46%)

Magenta (50%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7502, 21.8615, 16.4906 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 20.7502, 21.8615, 16.4906 by changing the saturation by 10% instead.

■ 20.7502, 21.8615,
16.4906

■ 20.7502, 21.8615,
16.4906

248.7049,
261.8221, 244.1633

■ 13.0529, 13.7552,
9.7139

■ 44.1658, 46.5170,
38.2264

■ 7.5423, 7.9506,
5.1065

■ 60.6149, 63.8349,
54.0226

■ 3.8528, 4.0633,
2.2501

■ 80.7120, 84.9922,
73.6623

■ 1.6192, 1.7091,
0.7031

■ 104.8225,
110.3732, 97.5641

■ 0.4049, 0.4295,
0.0000

133.3116,
140.3622, 126.1466

■ 0.0000, 0.0000,
0.0000

166.5448,

175.3438, 159.8282

204.8875,
215.7023, 199.0276

■ 20.7502, 21.8615,
16.4906

■ 20.7502, 21.8615,
16.4906

■ 19.5638, 20.5330,
12.8752

■ 22.0754, 23.2829,
20.7207

■ 18.5086, 19.2918,
9.8438

■ 23.5430, 24.7970,
25.5915

■ 17.5789, 18.1359,
7.3652

■ 25.1589, 26.4071,
31.1291

■ 16.7679, 17.0621,
5.4047

■ 26.9277, 28.1156,
37.3576

■ 16.0679, 16.0670,
3.9235

■ 28.8541, 29.9247,
44.3003

■ 15.4703, 15.1465,
2.8774

■ 30.9425, 31.8367,
51.9789

■ 14.9645, 14.2960,
2.2119

■ 33.1972, 33.8534,
60.4146

■ 14.6819, 13.8045,
1.8907

■ 35.6221, 35.9771,
69.6275

■ 38.2212, 38.2096,
79.6369

Harmonies

Analogous

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



22.2219, 21.8615, 17.3353



20.7502, 21.8615, 16.4906



19.3522, 21.8615, 17.4014

Triad

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



20.7502, 21.8615, 16.4906



18.4030, 21.8615, 28.2357



23.3814, 21.8615, 28.0775

Complementary

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



20.7502, 21.8615, 16.4906



16.5438, 17.0993, 26.4735

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.



22.2736, 21.8615, 31.6097



20.7502, 21.8615, 16.4906



19.3994, 21.8615, 31.7085

Square

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



20.7502, 21.8615, 16.4906



18.0375, 21.8615, 23.8852



20.8072, 21.8615, 33.0103



23.7844, 21.8615, 23.7219

Rectangle

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



20.7502, 21.8615, 16.4906



18.6387, 21.8615, 18.9528



20.8072, 21.8615, 33.0103



23.0765, 21.8615, 29.4183

Sweetspot

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



20.7508, 21.8625, 16.4911



40.6329, 42.8266, 42.2036



18.6535, 16.7549, 18.6069



9.0863, 9.5776, 9.3744



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.7508, 21.8625, 16.4911



35.3535, 37.1795, 25.3013



21.1464, 24.0986, 16.9018



5.3053, 5.5935, 5.3524



13.4743, 12.6830, 1.7379



0.1024, 0.1101, 0.0158

Inverse Universe

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



16.5438, 17.0993, 26.4735



26.5343, 27.1965, 46.2341



16.2011, 15.3211, 26.1483



4.8902, 5.1233, 6.3370



4.9706, 3.2115, 22.4036



0.0447, 0.0447, 0.1527

Previews

White Background



This preview shows how the XYZ color 20.7502, 21.8615, 16.4906 looks on a white background.

Color Contrast Check

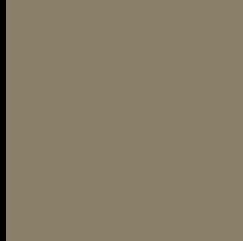
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.7502, 21.8615, 16.4906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

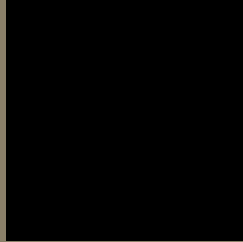
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7502, 21.8615, 16.4906

Background



This preview shows how black text looks on a background with the XYZ color 20.7502, 21.8615, 16.4906.



This preview shows how white text looks on a background with the XYZ color 20.7502, 21.8615,

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

20.7502, 21.8615, 16.4906

Protanopia

20.5534, 21.9547, 16.5190

Deuteranopia

22.2036, 21.8455, 16.6820



Tritanopia

22.6661, 21.8873, 25.5843

Trichromacy



Original Color

20.7502, 21.8615, 16.4906

Protanomaly

20.7166, 22.0388, 16.5266

Deuteranomaly

21.6122, 21.7276, 16.6904

Tritanomaly

21.8933, 21.7600, 21.7851

Monochromacy



Original Color

20.7502, 21.8615, 16.4906

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6251, 21.6999, 20.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7502, 21.8615, 16.4906 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(138, 128, 105)` looks like.

```
.text, #text, p{  
    color:rgb(138, 128, 105)  
}
```

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(138, 128, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 128, 105) }
```

Border

The CSS property to change the border of an element to XYZ 20.7502, 21.8615, 16.4906 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(138, 128, 105) }
```


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

```
.border{ border-color:rgb(138, 128, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 128, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 128, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 128, 105);  
box-shadow:4px 4px 4px 4px rgb(138, 128,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7502, 21.8615, 16.4906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 128, 105) }
```

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

```
.background{ background-color: rgb(138,  
128, 105) }
```

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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