

Converting Colors

XYZ(21.2836, 19.6671, 16.1240)

Have a look what the booklet for
XYZ(21.2836, 19.6671, 16.1240)
contains.

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Color

**XYZ(21.1448, 19.5386,
16.0215)**

Conversions

Conversions Part 1

Format	Color
Hex	967269
RGB	150, 114, 105
RGB Percent	59%, 45%, 41%
CMY	0.4118, 0.5529, 0.5882
CMYK	0.00, 0.24, 0.30, 0.41
HSL	12°, 18%, 50%
HSV	12°, 30%, 59%
XYZ	21.1448, 19.5386, 16.0215
YIQ	123.7380, 24.3450, 4.8330

Conversions

Conversions Part 2

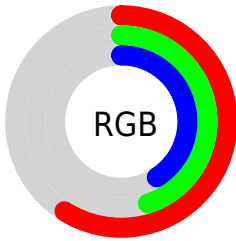
Format	Color
RYB	150, 116, 105
Decimal	9859689
CIELab	51.31, 12.83, 10.47
CIELCh	51, 16.557, 39.211
Yxy	19.5386, 0.3729, 0.3446
Android (android.graphics.Color)	4288049769 (0xFF967269)
YUV	123.7380, -9.2378, 23.0318
Hunter-Lab	44.2025, 8.0333, 9.4517

Details

The XYZ color **21.1448, 19.5386, 16.0215** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.8553, 24.2542, 32.4366**, and the grayscale version is **19.0955, 20.0900, 21.8780**.

A 20% lighter version of the original color is **44.8138, 42.6519, 37.3232**, and **7.7489, 6.7986, 4.9068** is the 20% darker color. If you saturate the color by 10%, you get **19.1751, 16.7260, 11.8909**, and if you desaturate by 10%, it is **23.4292, 22.7626, 20.9284**.

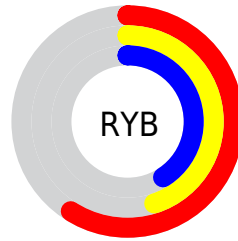
Distribution



Red (59%)

Green (45%)

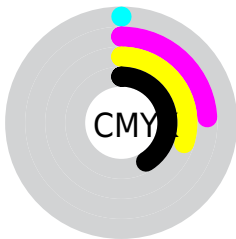
Blue (41%)



Red (59%)

Yellow (45%)

Blue (41%)

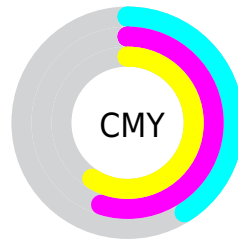


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (41%)



Cyan (41%)


Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1448, 19.5386, 16.0215 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 21.1448, 19.5386, 16.0215 by changing the saturation by 10% instead.


 21.1448, 19.5386,
16.0215

 21.1448, 19.5386,
16.0215


250.7642,
249.4062, 241.3186


 13.3430, 12.0601,
9.3848


 44.8179, 42.6422,
37.4028


 7.7438, 6.7846,
4.8928


 61.4198, 59.0362,
52.9846

 3.9818, 3.3278,
2.1269

 81.6858, 79.1707,
72.3852

 1.6919, 1.3052,
0.6317

 105.9812,
103.4302, 96.0230

 0.4512, 0.1452,
0.0000

134.6714,
132.1992, 124.3168

 0.0000, 0.0000,
0.0000

168.1217,

165.8619, 157.6849

206.6975,
204.8028, 196.5460

■ 21.1448, 19.5386,
16.0215

■ 21.1448, 19.5386,
16.0215

■ 19.1751, 16.7260,
11.8909

■ 23.4292, 22.7626,
20.9284

■ 17.5044, 14.3054,
8.4954

■ 26.0397, 26.4108,
26.6474

■ 16.1182, 12.2601,
5.7920

■ 28.9893, 30.4990,
33.2136

■ 15.0001, 10.5709,
3.7325

■ 32.2896, 35.0413,
40.6596

■ 14.1317, 9.2170,
2.2626

■ 35.9518, 40.0510,
49.0163

■ 13.4923, 8.1752,
1.3188

■ 39.9866, 45.5411,
58.3132

■ 13.0423, 7.4132,
0.7435

■ 44.4040, 51.5239,
68.5782

■ 13.0422, 7.4131,
0.7435

■ 49.2140, 58.0114,
79.8384

■ 54.4259, 65.0150,
92.1196

Harmonies

Analogous

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



21.8893, 19.5386, 19.8497



21.1448, 19.5386, 16.0215



19.7223, 19.5386, 13.8465

Triad

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



21.1448, 19.5386, 16.0215



15.7543, 19.5386, 18.2034



19.0845, 19.5386, 31.5874

Complementary

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



21.1448, 19.5386, 16.0215



20.8553, 24.2542, 32.4366

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.



17.4651, 19.5386, 30.9727



21.1448, 19.5386, 16.0215



15.6060, 19.5386, 22.7653

Square

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



21.1448, 19.5386, 16.0215



16.6326, 19.5386, 14.9703



16.2148, 19.5386, 27.5653



20.6542, 19.5386, 29.1379

Rectangle

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



21.1448, 19.5386, 16.0215



18.6147, 19.5386, 13.4067



16.2148, 19.5386, 27.5653



18.5271, 19.5386, 31.7393

Sweetspot

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



21.1453, 19.5395, 16.0219



46.3593, 47.1727, 47.9221



22.4371, 18.5105, 27.5897



10.1290, 10.2526, 10.3002



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.1453, 19.5395, 16.0219



34.9241, 31.0732, 23.2364



24.0024, 25.2536, 16.9742



5.8892, 5.9922, 6.0867



10.8363, 6.1870, 0.6231



0.1498, 0.1101, 0.0134

Inverse Universe

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



20.8553, 24.2542, 32.4366



34.3212, 40.7521, 56.9783



17.8684, 18.2805, 31.4409



5.8666, 6.3672, 7.3895



10.1579, 13.0106, 25.9070



0.1444, 0.1995, 0.3238

Previews

White Background



This preview shows how the XYZ color 21.1448, 19.5386, 16.0215 looks on a white background.

Color Contrast Check

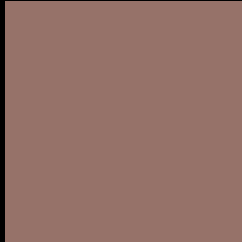
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1448, 19.5386, 16.0215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

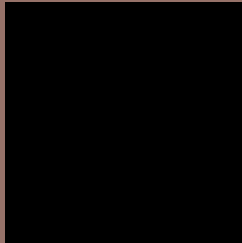
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1448, 19.5386, 16.0215

Background



This preview shows how black text looks on a background with the XYZ color 21.1448, 19.5386, 16.0215.

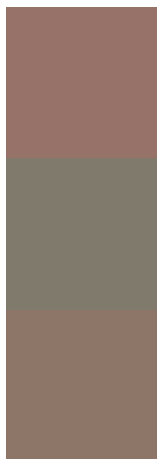


This preview shows how white text looks on a background with the XYZ color 21.1448, 19.5386,

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

21.1448, 19.5386, 16.0215

Protanopia

18.6219, 19.6124, 17.2721

Deuteranopia

19.9616, 19.6191, 15.8315



Tritanopia

22.1332, 19.6198, 20.3898

Trichromacy



Original Color

21.1448, 19.5386, 16.0215

Protanomaly

19.4569, 19.5106, 16.9278

Deuteranomaly

20.3616, 19.6513, 15.8166

Tritanomaly

21.7621, 19.6274, 18.8611

Monochromacy



Original Color

21.1448, 19.5386, 16.0215

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.6002, 19.7038, 19.5998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1448, 19.5386, 16.0215 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(150, 114, 105)` looks like.

```
.text, #text, p{  
    color:rgb(150, 114, 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(150, 114, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 114, 105) }
```

Border

The CSS property to change the border of an element to XYZ 21.1448, 19.5386, 16.0215 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(150, 114, 105) }
```


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

```
.border{ border-color:rgb(150, 114, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 114, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 114, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 114, 105);  
box-shadow:4px 4px 4px 4px rgb(150, 114,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1448, 19.5386, 16.0215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 114, 105) }
```

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

```
.background{ background-color: rgb(150,  
114, 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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