

Converting Colors

XYZ(21.8255, 16.7785, 13.8992)

Have a look what the booklet for
XYZ(21.8255, 16.7785, 13.8992)
contains.

XYZ(21.8924, 16.8365, 13.9003)	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(21.8924, 16.8365,
13.9003)**

Conversions

Conversions Part 1

Format	Color
Hex	A65D63
RGB	166, 93, 99
RGB Percent	65%, 36%, 39%
CMY	0.3490, 0.6353, 0.6118
CMYK	0.00, 0.44, 0.40, 0.35
HSL	355°, 29%, 51%
HSV	355°, 44%, 65%
XYZ	21.8924, 16.8365, 13.9003
YIQ	115.5110, 41.5820, 17.3420

Conversions

Conversions Part 2

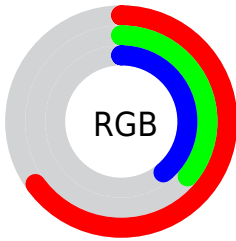
Format	Color
R_{YB}	166, 93, 99
Decimal	10902883
CIE _{Lab}	48.05, 30.40, 9.73
CIE _{LCh}	48, 31.921, 17.750
Yxy	16.8365, 0.4160, 0.3199
Android (android.graphics.Color)	4289092963 (0xFFA65D63)
YUV	115.5110, -8.1399, 44.2789
Hunter-Lab	41.0323, 23.4305, 8.6372

Details

The XYZ color **21.8924, 16.8365, 13.9003** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4964, 32.1381, 38.1717**, and the grayscale version is **16.4666, 17.3241, 18.8659**.

A 20% lighter version of the original color is **46.0618, 38.1408, 33.7883**, and **8.0988, 5.4379, 3.9909** is the 20% darker color. If you saturate the color by 10%, you get **19.9293, 13.9682, 9.9849**, and if you desaturate by 10%, it is **24.3101, 20.3940, 18.6456**.

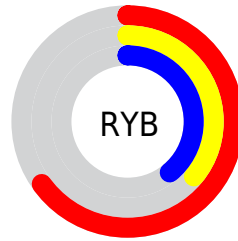
Distribution



Red (65%)

Green (36%)

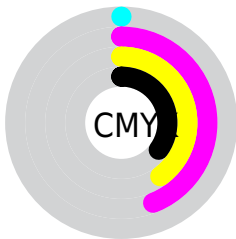
Blue (39%)



Red (65%)

Yellow (36%)

Blue (39%)

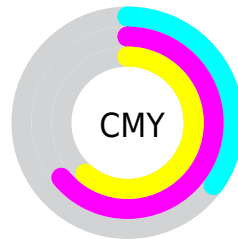


Cyan (0%)

Magenta (44%)

Yellow (40%)

Black (35%)



Cyan (35%)


Magenta (64%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8924, 16.8365, 13.9003 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 21.8924, 16.8365, 13.9003 by changing the saturation by 10% instead.


 21.8924, 16.8365,
13.9003


 21.8924, 16.8365,
13.9003


254.6268,
234.2284, 228.0165


 13.8940, 10.1180,
7.9134


 46.0483, 38.0444,
33.6266


 8.1282, 5.4773,
3.9526

 62.9365, 53.3027,
48.2031

 4.2296, 2.5299,
1.5994

 83.5187, 72.1763,
66.4798

 1.8328, 0.8916,
0.2904

 108.1602, 95.0496,
88.8754

 0.5373, 0.0000,
0.0000

137.2264,
122.3071, 115.8083

 0.0000, 0.0000,
0.0000

171.0827,

154.3331, 147.6971

210.0943,
191.5121, 184.9603

■ 21.8924, 16.8365,
13.9003

■ 21.8924, 16.8365,
13.9003

■ 19.9293, 13.9682,
9.9849

■ 24.3101, 20.3940,
18.6456

■ 18.3911, 11.7421,
6.8508

■ 27.2070, 24.6786,
24.2638

■ 17.2466, 10.1094,
4.4457


■ 30.6075, 29.7287,
30.7959


■ 16.4596, 9.0132,
2.7106


■ 34.5342, 35.5788,
38.2803


■ 15.9874, 8.3853,
1.5770


■ 39.0080, 42.2618,
46.7529

 15.8028, 8.1378,
1.1405

 44.0487, 49.8084,
56.2480

 49.6754, 58.2479,
66.7980

 55.9059, 67.6082,
78.4341

 62.7576, 77.9160,
91.1861

Harmonies

Analogous

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



22.0627, 16.8365, 21.9160



21.8924, 16.8365, 13.9003



20.0322, 16.8365, 8.9033

Triad

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



21.8924, 16.8365, 13.9003



12.2355, 16.8365, 9.5865



14.8535, 16.8365, 38.6677

Complementary

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



21.8924, 16.8365, 13.9003



24.4964, 32.1381, 38.1717

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.



12.5532, 16.8365, 32.7961



21.8924, 16.8365, 13.9003



11.1682, 16.8365, 15.1619

Square

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



21.8924, 16.8365, 13.9003



14.3693, 16.8365, 6.9777



11.2770, 16.8365, 23.6180



17.7551, 16.8365, 38.0220

Rectangle

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



21.8924, 16.8365, 13.9003



18.1976, 16.8365, 7.2043



11.2770, 16.8365, 23.6180



13.9916, 16.8365, 37.3319

Sweetspot

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



21.8928, 16.8373, 13.9006



56.0383, 54.6816, 56.8262



25.2784, 18.0477, 38.2278



12.2234, 11.7653, 12.1101



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.8928, 16.8373, 13.9006



36.1662, 25.3457, 18.1144



24.8370, 23.1676, 13.5197



7.5552, 7.5519, 7.9749



12.2619, 6.3135, 0.9250



0.3059, 0.1566, 0.0622

Inverse Universe

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



21.8928, 16.8373, 13.9006



36.1662, 25.3457, 18.1144



20.1435, 22.5723, 39.3718



7.5552, 7.5519, 7.9749



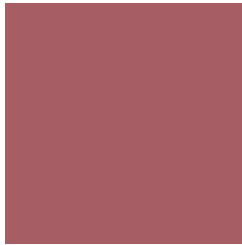
12.2619, 6.3135, 0.9250



0.3059, 0.1566, 0.0622

Previews

White Background



This preview shows how the XYZ color 21.8924, 16.8365, 13.9003 looks on a white background.

Color Contrast Check

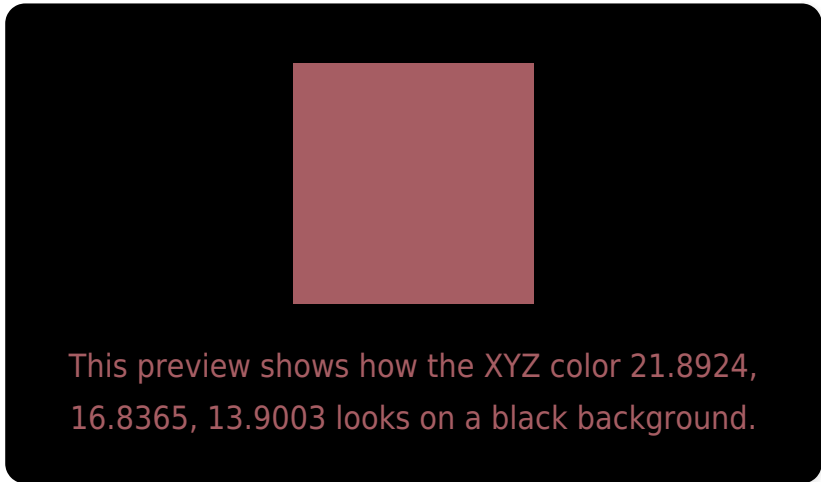
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 21.8924, 16.8365, 13.9003

Background



This preview shows how black text looks on a background with the XYZ color 21.8924, 16.8365, 13.9003.



This preview shows how white text looks on a background with the XYZ color 21.8924, 16.8365,

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

21.8924, 16.8365, 13.9003

Protanopia

16.3030, 17.0120, 17.1762

Deuteranopia

17.2030, 16.9019, 13.4220



Tritanopia

21.9405, 16.8558, 14.1537

Trichromacy



Original Color

21.8924, 16.8365, 13.9003

Protanomaly

17.7472, 16.4996, 15.8850

Deuteranomaly

18.6096, 16.6930, 13.5505

Tritanomaly

21.9405, 16.8558, 14.1537

Monochromacy



Original Color

21.8924, 16.8365, 13.9003

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

18.0086, 16.9192, 17.0684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8924, 16.8365, 13.9003 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(166, 93, 99)` looks like.

```
.text, #text, p{  
    color:rgb(166, 93, 99)  
}
```

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(166, 93, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 93, 99) }
```

Border

The CSS property to change the border of an element to XYZ 21.8924, 16.8365, 13.9003 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(166, 93, 99) }
```


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

```
.border{ border-color:rgb(166, 93, 99) }
```

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

Here you see how a box with a 4 pixel rgb(166, 93, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 93, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 93, 99);  
box-shadow:4px 4px 4px 4px rgb(166, 93,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8924, 16.8365, 13.9003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 93, 99) }
```

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

```
.background{ background-color: rgb(166, 93,  
99) }
```

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