

Converting Colors

XYZ(21.9058, 22.2053, 9.5758)

Have a look what the booklet for
XYZ(21.9058, 22.2053, 9.5758)
contains.

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Color

**XYZ(21.8338, 22.1884,
9.6106)**

Conversions

Conversions Part 1

Format	Color
Hex	997E4A
RGB	153, 126, 74
RGB Percent	60%, 49%, 29%
CMY	0.4000, 0.5059, 0.7098
CMYK	0.00, 0.18, 0.52, 0.40
HSL	39°, 35%, 45%
HSV	39°, 52%, 60%
XYZ	21.8338, 22.1884, 9.6106
YIQ	128.1450, 32.7840, -10.4480

Conversions

Conversions Part 2

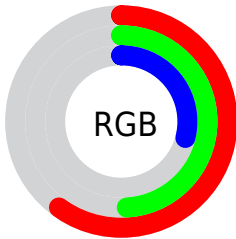
Format	Color
RYB	115, 153, 74
Decimal	10059338
CIELab	54.23, 3.52, 32.03
CIELCh	54, 32.224, 83.728
Yxy	22.1884, 0.4071, 0.4137
Android (android.graphics.Color)	4288249418 (0xFF997E4A)
YUV	128.1450, -26.6935, 21.7978
Hunter-Lab	47.1046, 0.3049, 20.8764

Details

The XYZ color **21.8338, 22.1884, 9.6106** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.2274, 13.0628, 31.9613**, and the grayscale version is **20.6504, 21.7258, 23.6594**.

A 20% lighter version of the original color is **46.0527, 47.2507, 25.7619**, and **8.1190, 8.1009, 2.2343** is the 20% darker color. If you saturate the color by 10%, you get **20.7287, 20.7052, 7.0012**, and if you desaturate by 10%, it is **23.1003, 23.7938, 12.8929**.

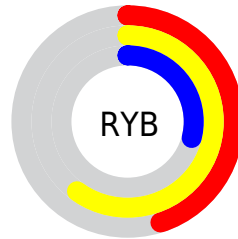
Distribution



Red (60%)

Green (49%)

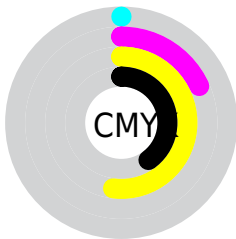
Blue (29%)



Red (45%)

Yellow (60%)

Blue (29%)

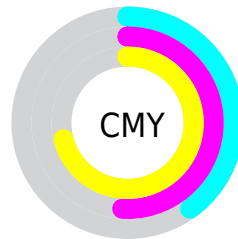


Cyan (0%)

Magenta (18%)

Yellow (52%)

Black (40%)



Cyan (40%)

Magenta (51%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8338, 22.1884, 9.6106 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 21.8338, 22.1884, 9.6106 by changing the saturation by 10% instead.

■ 21.8338, 22.1884,
9.6106

■ 21.8338, 22.1884,
9.6106

254.3258,
263.5286, 198.2526

■ 13.8507, 13.9954,
5.0393

■ 45.9521, 47.0572,
25.6567

■ 8.0979, 8.1175,
2.2112

■ 62.8180, 64.5018,
37.9687

■ 4.2100, 4.1702,
0.6808

■ 83.3755, 85.7990,
53.6979

■ 1.8216, 1.7692,
0.0000

■ 107.9901,
111.3332, 73.2630

■ 0.5306, 0.4679,
0.0000

■ 137.0271,
141.4889, 97.0825

■ 0.0000, 0.0000,
0.0000

170.8518,

176.6505, 125.5749

209.8296,
217.2022, 159.1587

■ 21.8338, 22.1884,
9.6106

■ 21.8338, 22.1884,
9.6106

■ 20.7287, 20.7052,
7.0012

■ 23.1003, 23.7938,
12.8929

■ 19.7736, 19.3363,
5.0144

■ 24.5355, 25.5225,
16.8907

■ 18.9581, 18.0773,
3.5951

■ 26.1479, 27.3797,
21.6447

■ 18.2690, 16.9223,
2.6775

■ 27.9452, 29.3692,
27.1921

■ 17.7630, 16.0245,
2.1568

■ 29.9344, 31.4945,
33.5678

■ 32.1221, 33.7592,
40.8043

■ 34.5147, 36.1664,
48.9325

■ 37.1181, 38.7194,
57.9819

■ 39.9381, 41.4210,
67.9804

Harmonies

Analogous

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



25.3303, 22.1884, 11.7061



21.8338, 22.1884, 9.6106



18.4936, 22.1884, 10.4537

Triad

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



21.8338, 22.1884, 9.6106



15.5049, 22.1884, 32.7823



26.9989, 22.1884, 37.4624

Complementary

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



21.8338, 22.1884, 9.6106



13.2274, 13.0628, 31.9613

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.



23.9174, 22.1884, 46.4699



21.8338, 22.1884, 9.6106



17.3504, 22.1884, 43.2863

Square

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



21.8338, 22.1884, 9.6106



15.0779, 22.1884, 22.1128



20.3621, 22.1884, 48.8530



28.5178, 22.1884, 26.3285

Rectangle

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



21.8338, 22.1884, 9.6106



16.7679, 22.1884, 12.7293



20.3621, 22.1884, 48.8530



26.0961, 22.1884, 40.9510

Sweetspot

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



21.8343, 22.1895, 9.6110



48.8283, 51.2636, 44.8895



17.9668, 12.6225, 13.9693



10.6444, 11.1676, 9.4875



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.8343, 22.1895, 9.6110



36.8328, 36.6767, 11.8995



23.6374, 28.9529, 10.8215



6.5311, 6.8672, 6.5871



14.7125, 13.3074, 1.7932



0.2534, 0.2659, 0.0380

Inverse Universe

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



13.2274, 13.0628, 31.9613



19.6905, 18.5302, 56.5109



12.0227, 9.1691, 31.2732



6.0485, 6.3543, 7.8367



5.8061, 4.0088, 25.3755



0.1183, 0.1230, 0.3899

Previews

White Background



This preview shows how the XYZ color 21.8338, 22.1884, 9.6106 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 21.8338, 22.1884, 9.6106 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 21.8338, 22.1884, 9.6106

Background



This preview shows how black text looks on a background with the XYZ color 21.8338, 22.1884, 9.6106.



This preview shows how white text looks on a background with the XYZ color 21.8338, 22.1884,

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

21.8338, 22.1884, 9.6106

Protanopia

20.4080, 22.2240, 9.8707

Deuteranopia

22.5442, 22.1788, 9.5713



Tritanopia

24.7795, 22.2870, 23.7647

Trichromacy



Original Color

21.8338, 22.1884, 9.6106

Protanomaly

20.9743, 22.3195, 9.8592

Deuteranomaly

22.2799, 22.2296, 9.5950

Tritanomaly

23.4302, 22.0911, 17.4971

Monochromacy



Original Color

21.8338, 22.1884, 9.6106

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.6127, 21.5798, 17.2663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8338, 22.1884, 9.6106 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(153, 126, 74)` looks like.

```
.text, #text, p{  
    color:rgb(153, 126, 74)  
}
```

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(153, 126, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 126, 74) }
```

Border

The CSS property to change the border of an element to XYZ 21.8338, 22.1884, 9.6106 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(153, 126, 74) }
```


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

```
.border{ border-color:rgb(153, 126, 74) }
```

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

Here you see how a box with a 4 pixel rgb(153, 126, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 126, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 126, 74);  
box-shadow:4px 4px 4px 4px rgb(153, 126,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8338, 22.1884, 9.6106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 126, 74) }
```

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

```
.background{ background-color: rgb(153,  
126, 74) }
```

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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