

Converting Colors

XYZ(22.8509, 22.1293, 8.8120)

Have a look what the booklet for
XYZ(22.8509, 22.1293, 8.8120)
contains.

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Color

**XYZ(22.8864, 22.1852,
8.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	A17B46
RGB	161, 123, 70
RGB Percent	63%, 48%, 27%
CMY	0.3686, 0.5176, 0.7255
CMYK	0.00, 0.24, 0.57, 0.37
HSL	35°, 39%, 45%
HSV	35°, 57%, 63%
XYZ	22.8864, 22.1852, 8.8703
YIQ	128.3200, 39.6610, -8.4270

Conversions

Conversions Part 2

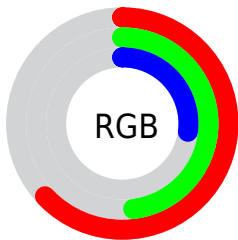
Format	Color
RYB	135, 161, 70
Decimal	10582854
CIELab	54.22, 8.38, 34.37
CIELCh	54, 35.380, 76.301
Yxy	22.1852, 0.4243, 0.4113
Android (android.graphics.Color)	4288772934 (0xFFA17B46)
YUV	128.3200, -28.7518, 28.6604
Hunter-Lab	47.1012, 4.3059, 21.8051

Details

The XYZ color **22.8864, 22.1852, 8.8703** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3211, 14.5998, 35.7813**, and the grayscale version is **20.7167, 21.7956, 23.7354**.

A 20% lighter version of the original color is **47.6336, 46.9214, 24.3155**, and **8.6668, 8.0852, 1.9144** is the 20% darker color. If you saturate the color by 10%, you get **21.6394, 20.3984, 6.2747**, and if you desaturate by 10%, it is **24.3280, 24.1432, 12.2035**.

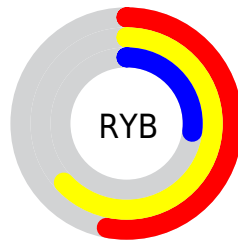
Distribution



Red (63%)

Green (48%)

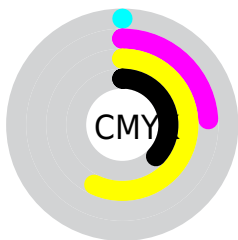
Blue (27%)



Red (53%)

Yellow (63%)

Blue (27%)

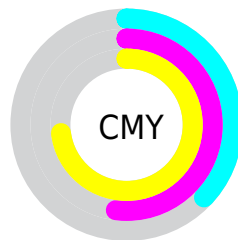


Cyan (0%)

Magenta (24%)

Yellow (57%)

Black (37%)



Cyan (37%)


Magenta (52%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8864, 22.1852, 8.8703 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 22.8864, 22.1852, 8.8703 by changing the saturation by 10% instead.


 22.8864, 22.1852,
8.8703


 22.8864, 22.1852,
8.8703


259.6872,
263.5119, 192.5897


 14.6299, 13.9930,
4.5610


 47.6748, 47.0519,
24.2215


 8.6447, 8.1158,
1.9379


 64.9373, 64.4952,
36.1004

 4.5654, 4.1692,
0.5167


 85.9326, 85.7911,
51.3397

 2.0267, 1.7686,
0.0000

 111.0259,
111.3239, 70.3578

 0.6489, 0.4675,
0.0000

 140.5827,
141.4779, 93.5734

 0.0000, 0.0000,
0.0000

174.9683,

176.6377, 121.4048

214.5480,
217.1876, 154.2707

■ 22.8864, 22.1852,
8.8703

■ 22.8864, 22.1852,
8.8703

■ 21.6394, 20.3984,
6.2747

■ 24.3280, 24.1432,
12.2035

■ 20.5731, 18.7728,
4.3562

■ 25.9737, 26.2755,
16.3256

■ 19.6739, 17.3020,
3.0468

■ 27.8341, 28.5887,
21.2848

■ 18.9219, 15.9761,
2.2473

■ 29.9184, 31.0883,
27.1251

■ 18.6807, 15.5427,
2.0155

■ 32.2355, 33.7795,
33.8875

■ 34.7935, 36.6671,
41.6100

■ 37.6002, 39.7558,
50.3289

■ 40.6630, 43.0501,
60.0783

■ 43.9889, 46.5542,
70.8910

Harmonies

Analogous

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



26.6184, 22.1852, 11.8527



22.8864, 22.1852, 8.8703



19.0783, 22.1852, 8.9985

Triad

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



22.8864, 22.1852, 8.8703



14.7559, 22.1852, 30.6005



26.8966, 22.1852, 41.9383

Complementary

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



22.8864, 22.1852, 8.8703



14.3211, 14.5998, 35.7813

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.



23.2306, 22.1852, 50.7144



22.8864, 22.1852, 8.8703



16.3794, 22.1852, 42.9281

Square

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



22.8864, 22.1852, 8.8703



14.6875, 22.1852, 19.4799



19.3833, 22.1852, 51.1235



29.1168, 22.1852, 29.5260

Rectangle

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



22.8864, 22.1852, 8.8703



17.0048, 22.1852, 10.7932



19.3833, 22.1852, 51.1235



25.7738, 22.1852, 45.5570

Sweetspot

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



22.8869, 22.1863, 8.8707



53.2685, 55.3069, 47.6840



19.6719, 13.0711, 16.0770



11.5255, 11.9433, 10.0116



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.8869, 22.1863, 8.8707



38.1967, 35.7010, 10.1742



27.3551, 32.8938, 10.7020



7.4003, 7.7391, 7.4838



14.9607, 12.4953, 1.6233



0.3595, 0.3529, 0.0492

Inverse Universe

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



14.3211, 14.5998, 35.7813



21.3266, 20.7923, 63.2758



11.6092, 8.4930, 34.7455



6.9321, 7.3232, 8.9512



6.7901, 5.3596, 27.6064



0.1889, 0.2050, 0.5955

Previews

White Background



This preview shows how the XYZ color 22.8864, 22.1852, 8.8703 looks on a white background.

Color Contrast Check

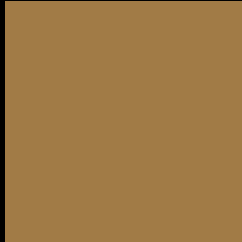
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8864, 22.1852, 8.8703 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 22.8864, 22.1852, 8.8703

Background



This preview shows how black text looks on a background with the XYZ color 22.8864, 22.1852, 8.8703.



This preview shows how white text looks on a background with the XYZ color 22.8864, 22.1852,

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

22.8864, 22.1852, 8.8703

Protanopia

20.4800, 22.2728, 9.3506

Deuteranopia

22.6112, 22.2284, 8.8931



Tritanopia

25.7888, 22.3102, 22.3491

Trichromacy



Original Color

22.8864, 22.1852, 8.8703

Protanomaly

21.3044, 22.1177, 9.1075

Deuteranomaly

22.8103, 22.3311, 8.9024

Tritanomaly

24.4565, 22.1061, 16.3425

Monochromacy



Original Color

22.8864, 22.1852, 8.8703

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.9299, 21.5587, 16.9680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8864, 22.1852, 8.8703 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(161, 123, 70)` looks like.

```
.text, #text, p{  
    color:rgb(161, 123, 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(161, 123, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 123, 70) }
```

Border

The CSS property to change the border of an element to XYZ 22.8864, 22.1852, 8.8703 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(161, 123, 70) }
```


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

```
.border{ border-color:rgb(161, 123, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 123, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 123, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 123, 70);  
box-shadow:4px 4px 4px 4px rgb(161, 123,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8864, 22.1852, 8.8703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 123, 70) }
```

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

```
.background{ background-color: rgb(161,  
123, 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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