

# Converting Colors

XYZ(28.7058, 22.8316, 14.4800)

Have a look what the booklet for  
XYZ(28.7058, 22.8316, 14.4800)  
contains.

<b>XYZ(28.7668, 22.8525, 14.4501)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(28.7668, 22.8525,  
14.4501)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD6E62
RGB	189, 110, 98
RGB Percent	74%, 43%, 38%
CMY	0.2588, 0.5686, 0.6157
CMYK	0.00, 0.42, 0.48, 0.26
HSL	8°, 41%, 56%
HSV	8°, 48%, 74%
XYZ	28.7668, 22.8525, 14.4501
YIQ	132.2530, 50.9360, 13.0160

# Conversions

## Conversions Part 2

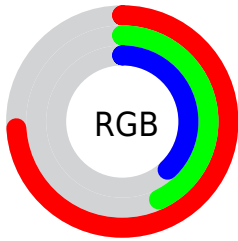
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 112, 98
Decimal	12414562
CIE <sub>Lab</sub>	54.92, 30.01, 20.26
CIE <sub>LCh</sub>	55, 36.211, 34.022
Yxy	22.8525, 0.4354, 0.3459
Android (android.graphics.Color)	4290604642 (0xFFBD6E62)
YUV	132.2530, -16.8867, 49.7671
Hunter-Lab	47.8043, 23.7570, 15.5410

# Details

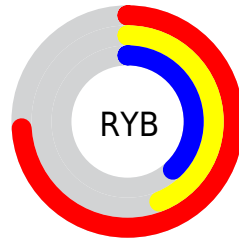
The XYZ color **28.7668, 22.8525, 14.4501** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.9437, 37.7134, 53.8452**, and the grayscale version is **22.0702, 23.2196, 25.2861**.

A 20% lighter version of the original color is **57.2334, 48.3208, 34.7441**, and **11.7820, 8.4820, 4.1482** is the 20% darker color. If you saturate the color by 10%, you get **26.3683, 19.3190, 9.7556**, and if you desaturate by 10%, it is **31.7049, 27.1281, 20.3644**.

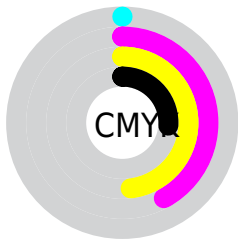
# Distribution



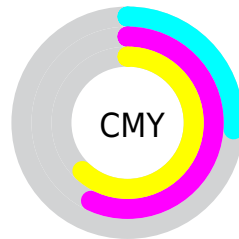
- Red (74%)
- Green (43%)
- Blue (38%)



- Red (74%)
- Yellow (44%)
- Blue (38%)



- Cyan (0%)
- Magenta (42%)
- Yellow (48%)
- Black (26%)




- Cyan (26%)
- Magenta (57%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7668, 22.8525, 14.4501 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 28.7668, 22.8525, 14.4501 by changing the saturation by 10% instead.





 28.7668, 22.8525,  
14.4501


 28.7668, 22.8525,  
14.4501


288.1272,  
266.9665, 231.5382


 19.0479, 14.4846,  
8.2921


 57.1065, 48.1510,  
34.6141


 11.8091, 8.4585,  
4.1920


 76.4580, 65.8505,  
49.4572

 6.6851, 4.3897,  
1.7312


 99.7510, 87.4292,  
68.0323

 3.3105, 1.8939,  
0.3820

 127.3510,  
113.2717, 90.7581

 1.3200, 0.5447,  
0.0000

159.6232,  
143.7622, 118.0530

 0.1981, 0.0000,  
0.0000

196.9331,

 0.0000, 0.0000,

179.2853, 150.3356

0.0000

239.6460,  
220.2253, 188.0245

■ 28.7668, 22.8525,  
14.4501

■ 28.7668, 22.8525,  
14.4501

■ 26.3683, 19.3190,  
9.7556

■ 31.7049, 27.1281,  
20.3644

■ 24.4745, 16.4818,  
6.1943

■ 35.2113, 32.1813,  
27.5743

■ 23.0490, 14.2956,  
3.6700


■ 39.3145, 38.0492,  
36.1510


■ 22.0498, 12.7080,  
2.0702


■ 44.0407, 44.7659,  
46.1602

■ 21.4200, 11.6556,  
1.2213


■ 49.4145, 52.3633,  
57.6634

 21.3324, 11.5112,  
1.0975

 55.4592, 60.8716,  
70.7183

 62.1968, 70.3197,  
85.3796

 69.6486, 80.7352,  
101.6995

 74.7962, 89.5588,  
107.9521

# Harmonies

## Analogous

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



30.3661, 22.8525, 23.3640



28.7668, 22.8525, 14.4501



25.2801, 22.8525, 9.8309

# Triad

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



28.7668, 22.8525, 14.4501



15.4944, 22.8525, 16.4012



22.2665, 22.8525, 54.0899

# Complementary

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



28.7668, 22.8525, 14.4501



29.9437, 37.7134, 53.8452

# 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.



18.5120, 22.8525, 50.5149



28.7668, 22.8525, 14.4501



14.8948, 22.8525, 26.4654

# Square

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



28.7668, 22.8525, 14.4501



17.6818, 22.8525, 10.6896



15.9306, 22.8525, 39.4137



26.3319, 22.8525, 48.0696



# Rectangle

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



28.7668, 22.8525, 14.4501



22.5345, 22.8525, 8.7364



15.9306, 22.8525, 39.4137



20.9266, 22.8525, 53.9796

# Sweetspot

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



28.7674, 22.8537, 14.4505



73.5981, 72.6819, 71.4682



33.4284, 22.7841, 44.9574



15.4452, 15.0867, 14.5625



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



28.7674, 22.8537, 14.4505



46.9293, 34.1599, 16.9037



34.7658, 34.8505, 16.4500



9.6289, 9.7339, 9.9480



14.3858, 7.8103, 0.7493



0.5969, 0.3728, 0.0405



# Inverse Universe

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



29.9437, 37.7134, 53.8452



49.2387, 63.8838, 95.9619



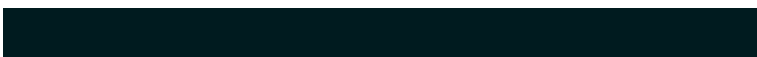
22.5940, 23.0141, 51.3953



9.6983, 10.5890, 12.2049



15.1606, 20.4328, 35.5378



0.6241, 0.8608, 1.4021



# Previews

## White Background



This preview shows how the XYZ color 28.7668, 22.8525, 14.4501 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

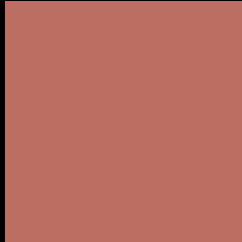
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.7668, 22.8525, 14.4501 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

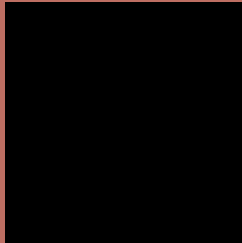
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.7668, 22.8525, 14.4501**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7668, 22.8525, 14.4501.



This preview shows how white text looks on a background with the XYZ color 28.7668, 22.8525,



# 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

28.7668, 22.8525, 14.4501

### Protanopia

21.7733, 23.1607, 17.5102

### Deuteranopia

23.2367, 22.8159, 14.0057



## Tritanopia

29.5874, 22.7003, 19.0418

# Trichromacy



## Original Color

28.7668, 22.8525, 14.4501

## Protanomaly

23.8069, 22.6839, 16.2204

## Deuteranomaly

24.9762, 22.6023, 14.1126

## Tritanomaly

29.3581, 22.7764, 17.3169

# Monochromacy



## Original Color

28.7668, 22.8525, 14.4501

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.7347, 22.5437, 20.8697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7668, 22.8525, 14.4501 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(189, 110, 98)` looks like.

```
.text, #text, p{  
    color:rgb(189, 110, 98)  
}
```

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(189, 110, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 110, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7668, 22.8525, 14.4501 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(189, 110, 98) }
```



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

```
.border{ border-color:rgb(189, 110, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 110, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 110, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 110, 98);  
box-shadow:4px 4px 4px 4px rgb(189, 110,  
98) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7668, 22.8525, 14.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 110, 98) }
```

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

```
.background{ background-color: rgb(189,  
110, 98) }
```

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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