

# Converting Colors

XYZ(30.7838, 28.6229, 22.9136)

Have a look what the booklet for  
XYZ(30.7838, 28.6229, 22.9136)  
contains.

<b>XYZ(30.8023, 28.5285, 22.9519)</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(30.8023, 28.5285,  
22.9519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B2887C
RGB	178, 136, 124
RGB Percent	70%, 53%, 49%
CMY	0.3020, 0.4666, 0.5137
CMYK	0.00, 0.24, 0.30, 0.30
HSL	13°, 26%, 59%
HSV	13°, 30%, 70%
XYZ	30.8023, 28.5285, 22.9519
YIQ	147.1900, 28.8840, 5.1720

# Conversions

## Conversions Part 2

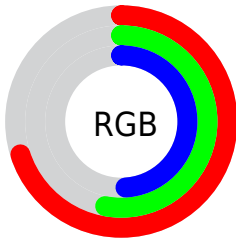
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 139, 124
Decimal	11700348
CIE <sub>Lab</sub>	60.36, 14.29, 12.63
CIE <sub>LCh</sub>	60, 19.072, 41.480
Yxy	28.5285, 0.3743, 0.3467
Android (android.graphics.Color)	4289890428 (0xFFB2887C)
YUV	147.1900, -11.4327, 27.0204
Hunter-Lab	53.4121, 9.4683, 11.9107

# Details

The XYZ color **30.8023, 28.5285, 22.9519** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **29.9838, 34.7707, 47.2506**, and the grayscale version is **27.8498, 29.3002, 31.9079**.

A 20% lighter version of the original color is **60.3944, 57.2317, 49.4587**, and **12.9100, 11.4487, 8.1860** is the 20% darker color. If you saturate the color by 10%, you get **27.9514, 24.4685, 16.9403**, and if you desaturate by 10%, it is **34.1097, 33.1761, 30.1188**.

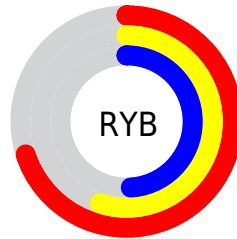
# Distribution



Red (70%)

Green (53%)

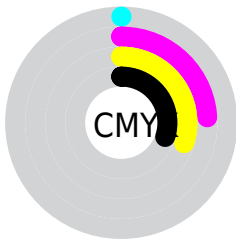
Blue (49%)



Red (70%)

Yellow (55%)

Blue (49%)

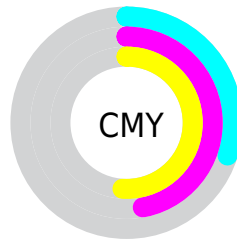


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (30%)



Cyan (30%)

Magenta (47%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8023, 28.5285, 22.9519 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 30.8023, 28.5285, 22.9519 by changing the saturation by 10% instead.





 30.8023, 28.5285,  
22.9519


 30.8023, 28.5285,  
22.9519


297.4697,  
294.9837, 280.5918

 20.5994, 18.7244,  
14.3530


 60.3066, 57.3271,  
49.2365

 12.9423, 11.4713,  
8.2251


 80.3388, 77.0905,  
67.7594

 7.4656, 6.3848,  
4.1495


 104.3782,  
100.9423, 90.4273

 3.8038, 3.0804,  
1.7077

132.7900,  
129.2672, 117.6588

 1.5918, 1.1739,  
0.3660

165.9397,  
162.4493, 149.8725

 0.3870, 0.0402,  
0.0000

204.1927,

 0.0000, 0.0000,

200.8732, 187.4868

0.0000

247.9142,  
244.9232, 230.9204

■ 30.8023, 28.5285,  
22.9519

■ 30.8023, 28.5285,  
22.9519

■ 27.9514, 24.4685,  
16.9403

■ 34.1097, 33.1761,  
30.1188

■ 25.5344, 20.9686,  
12.0214

■ 37.8906, 38.4296,  
38.4957

■ 23.5297, 18.0049,  
8.1295


■ 42.1638, 44.3111,  
48.1355


■ 21.9133, 15.5504,  
5.1908


■ 46.9464, 50.8407,  
59.0880


■ 20.6581, 13.5755,  
3.1217


■ 52.2546, 58.0375,  
71.3998


 19.7335, 12.0473,  
1.8239

 58.1040, 65.9197,  
85.1155

 19.1044, 10.9536,  
1.1073

 64.5095, 74.5050,  
100.2776

 69.5946, 83.0540,  
106.9707

 72.1701, 88.2050,  
107.8292

# Harmonies

## Analogous

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



32.0020, 28.5285, 28.4527



30.8023, 28.5285, 22.9519



28.6404, 28.5285, 19.9403

# Triad

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



30.8023, 28.5285, 22.9519



22.8871, 28.5285, 26.9691



28.0644, 28.5285, 46.2586

# Complementary

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



30.8023, 28.5285, 22.9519



29.9838, 34.7707, 47.2506

# 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.



25.6457, 28.5285, 45.7014



30.8023, 28.5285, 22.9519



22.7536, 28.5285, 33.8275

# Square

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



30.8023, 28.5285, 22.9519



24.1117, 28.5285, 22.0072



23.7353, 28.5285, 40.8893



30.3589, 28.5285, 42.3133



# Rectangle

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



30.8023, 28.5285, 22.9519



26.9939, 28.5285, 19.4279



23.7353, 28.5285, 40.8893



27.2374, 28.5285, 46.6058

# Sweetspot

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



30.8031, 28.5298, 22.9525



69.5803, 70.8890, 71.7525



32.4784, 26.6448, 39.6521



15.1808, 15.3811, 15.3714



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



30.8031, 28.5298, 22.9525



52.5145, 46.9859, 34.5313



35.0423, 37.0083, 24.3656



8.6445, 8.8015, 8.8958



13.7092, 7.9169, 0.8056



0.4749, 0.3361, 0.0399



# Inverse Universe

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



29.9838, 34.7707, 47.2506



50.7934, 60.0033, 85.2859



25.6245, 26.0520, 45.7975



8.5792, 9.3047, 10.8501



12.3454, 15.4911, 32.4764



0.4281, 0.5668, 1.0351



# Previews

## White Background



This preview shows how the XYZ color 30.8023, 28.5285, 22.9519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

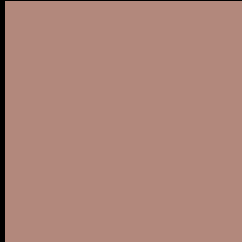
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.8023, 28.5285, 22.9519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

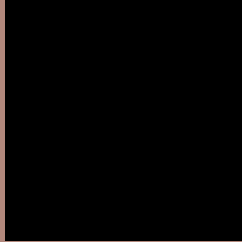
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.8023, 28.5285, 22.9519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8023, 28.5285, 22.9519.



This preview shows how white text looks on a background with the XYZ color 30.8023, 28.5285,



# 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

30.8023, 28.5285, 22.9519

### Protanopia

27.0367, 28.5112, 24.8471

### Deuteranopia

29.1017, 28.5111, 22.7083



## Tritanopia

32.1678, 28.4615, 29.7848

# Trichromacy



## Original Color

30.8023, 28.5285, 22.9519

## Protanomaly

28.2017, 28.4554, 24.0847

## Deuteranomaly

29.8210, 28.6660, 22.7002

## Tritanomaly

31.5594, 28.4115, 27.1132

# Monochromacy



## Original Color

30.8023, 28.5285, 22.9519

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

28.5832, 28.7781, 28.4743

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8023, 28.5285, 22.9519 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(178, 136, 124)` looks like.

```
.text, #text, p{  
    color:rgb(178, 136, 124)  
}
```

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(178, 136, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 136, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8023, 28.5285, 22.9519 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(178, 136, 124) }
```



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

```
.border{ border-color:rgb(178, 136, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 136, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 136, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 136, 124);  
box-shadow:4px 4px 4px 4px rgb(178, 136,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.8023, 28.5285, 22.9519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 136, 124) }
```

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

```
.background{ background-color: rgb(178,  
136, 124) }
```

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