

# Converting Colors

XYZ(31.5479, 28.6331, 22.3655)

Have a look what the booklet for  
XYZ(31.5479, 28.6331, 22.3655)  
contains.

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# Color

**XYZ(31.7053, 28.8004,  
22.3003)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B7877A
RGB	183, 135, 122
RGB Percent	72%, 53%, 48%
CMY	0.2824, 0.4706, 0.5216
CMYK	0.00, 0.26, 0.33, 0.28
HSL	13°, 30%, 60%
HSV	13°, 33%, 72%
XYZ	31.7053, 28.8004, 22.3003
YIQ	147.8700, 32.7810, 6.1330

# Conversions

## Conversions Part 2

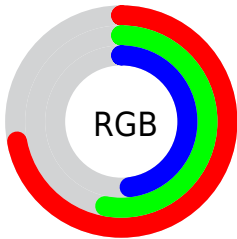
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 139, 122
Decimal	12027770
CIE <sub>Lab</sub>	60.61, 16.57, 14.19
CIE <sub>LCh</sub>	61, 21.814, 40.569
Yxy	28.8004, 0.3829, 0.3478
Android (android.graphics.Color)	4290217850 (0xFFB7877A)
YUV	147.8700, -12.7539, 30.8090
Hunter-Lab	53.6660, 11.5404, 12.9289

# Details

The XYZ color **31.7053, 28.8004, 22.3003** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **30.9475, 36.3047, 50.1763**, and the grayscale version is **28.1367, 29.6020, 32.2366**.

A 20% lighter version of the original color is **61.5584, 57.5477, 47.9077**, and **13.5044, 11.6452, 7.8393** is the 20% darker color. If you saturate the color by 10%, you get **28.8016, 24.6399, 16.2552**, and if you desaturate by 10%, it is **35.0958, 33.5925, 29.5617**.

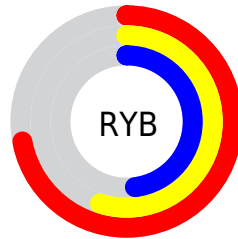
# Distribution



Red (72%)

Green (53%)

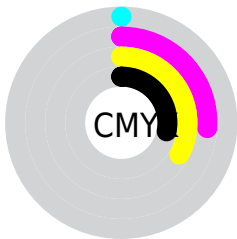
Blue (48%)



Red (72%)

Yellow (55%)

Blue (48%)

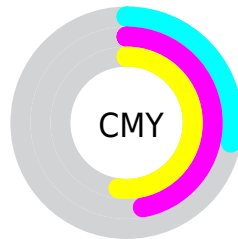


Cyan (0%)

Magenta (26%)

Yellow (33%)

Black (28%)



Cyan (28%)

Magenta (47%)


Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7053, 28.8004, 22.3003 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 31.7053, 28.8004, 22.3003 by changing the saturation by 10% instead.





 31.7053, 28.8004,  
22.3003


 31.7053, 28.8004,  
22.3003


301.5438,  
296.2720, 277.1150


 21.2910, 18.9299,  
13.8773


 61.7171, 57.7598,  
48.1504

 13.4505, 11.6196,  
7.8976


 82.0453, 77.6175,  
66.4145

 7.8186, 6.4852,  
3.9427

 106.4088,  
101.5730, 88.7961

 4.0299, 3.1423,  
1.5939

135.1730,  
130.0108, 115.7137

 1.7191, 1.2065,  
0.2865

168.7033,  
163.3151, 147.5859

 0.4682, 0.0670,  
0.0000

207.3649,

 0.0000, 0.0000,

201.8706, 184.8311

0.0000

251.5233,  
246.0614, 227.8680

■ 31.7053, 28.8004,  
22.3003

■ 31.7053, 28.8004,  
22.3003

■ 28.8016, 24.6399,  
16.2552

■ 35.0958, 33.5925,  
29.5617

■ 26.3596, 21.0804,  
11.3577

■ 38.9921, 39.0369,  
38.0994

■ 24.3552, 18.0949,  
7.5351


■ 43.4149, 45.1586,  
47.9716


■ 22.7613, 15.6526,  
4.7054


■ 48.3833, 51.9799,  
59.2321


■ 21.5474, 13.7198,  
2.7746


■ 53.9150, 59.5220,  
71.9321


 20.6782, 12.2586,  
1.6306

 60.0273, 67.8054,  
86.1199

 20.2544, 11.5191,  
1.1559

 66.7366, 76.8496,  
101.8417

 71.8249, 85.7800,  
107.3794

 73.3385, 88.8073,  
107.8839

# Harmonies

## Analogous

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



33.0609, 28.8004, 28.5943



31.7053, 28.8004, 22.3003



29.2187, 28.8004, 18.8699

# Triad

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



31.7053, 28.8004, 22.3003



22.5698, 28.8004, 26.4687



28.3811, 28.8004, 49.2465

# Complementary

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



31.7053, 28.8004, 22.3003



30.9475, 36.3047, 50.1763

# 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.



25.6085, 28.8004, 48.4118



31.7053, 28.8004, 22.3003



22.3796, 28.8004, 34.2958

# Square

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



31.7053, 28.8004, 22.3003



23.9950, 28.8004, 20.9750



23.4562, 28.8004, 42.5880



31.0561, 28.8004, 44.7039



# Rectangle

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



31.7053, 28.8004, 22.3003



27.3201, 28.8004, 18.2467



23.4562, 28.8004, 42.5880



27.4278, 28.8004, 49.6025

# Sweetspot

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



31.7061, 28.8018, 22.3009



72.2395, 73.2542, 73.5727



33.8198, 26.9193, 41.8418



15.7179, 15.8500, 15.7220



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



31.7061, 28.8018, 22.3009



52.8902, 46.0136, 31.7994



36.4426, 38.2748, 23.8797



9.1557, 9.3143, 9.4222



14.1717, 8.1197, 0.8203



0.5452, 0.3774, 0.0441



# Inverse Universe

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



30.9475, 36.3047, 50.1763



51.3074, 61.4881, 89.3999



25.9955, 26.4007, 48.5256



9.0998, 9.8768, 11.5062



12.9702, 16.4001, 33.7350



0.4985, 0.6606, 1.2030



# Previews

## White Background



This preview shows how the XYZ color 31.7053, 28.8004, 22.3003 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

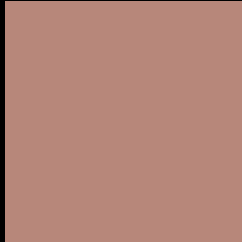
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.7053, 28.8004, 22.3003 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 31.7053, 28.8004, 22.3003**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.7053, 28.8004, 22.3003.



This preview shows how white text looks on a background with the XYZ color 31.7053, 28.8004,



# 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

31.7053, 28.8004, 22.3003

### Protanopia

27.2465, 28.8624, 24.2136

### Deuteranopia

29.3383, 28.8652, 22.1144



## Tritanopia

33.1413, 28.7698, 29.3976

# Trichromacy



## Original Color

31.7053, 28.8004, 22.3003

## Protanomaly

28.6845, 28.7192, 23.4336

## Deuteranomaly

30.1394, 28.8444, 22.0682

## Tritanomaly

32.5279, 28.7147, 26.7498

# Monochromacy



## Original Color

31.7053, 28.8004, 22.3003

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.1806, 29.0861, 28.5023

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.7053, 28.8004, 22.3003 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(183, 135, 122)` looks like.

```
.text, #text, p{  
    color:rgb(183, 135, 122)  
}
```

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(183, 135, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 135, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 31.7053, 28.8004, 22.3003 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(183, 135, 122) }
```



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

```
.border{ border-color:rgb(183, 135, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 135, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 135, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 135, 122);  
box-shadow:4px 4px 4px 4px rgb(183, 135,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.7053, 28.8004, 22.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 135, 122) }
```

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

```
.background{ background-color: rgb(183,  
135, 122) }
```

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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