

# Converting Colors

XYZ(23.7794, 22.7916, 22.2159)

Have a look what the booklet for  
XYZ(23.7794, 22.7916, 22.2159)  
contains.

<b>XYZ(23.7342, 22.7018, 22.1997)</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(23.7342, 22.7018,  
22.1997)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	977D7C
RGB	151, 125, 124
RGB Percent	59%, 49%, 49%
CMY	0.4078, 0.5098, 0.5137
CMYK	0.00, 0.17, 0.18, 0.41
HSL	2°, 11%, 54%
HSV	2°, 18%, 59%
XYZ	23.7342, 22.7018, 22.1997
YIQ	132.6600, 15.8170, 5.2010

# Conversions

## Conversions Part 2

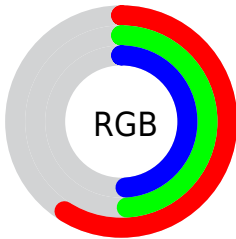
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 125, 124
Decimal	9928060
CIE Lab	54.76, 9.84, 4.29
CIE LCh	55, 10.738, 23.568
Yxy	22.7018, 0.3458, 0.3308
Android (android.graphics.Color)	4288118140 (0xFF977D7C)
YUV	132.6600, -4.2694, 16.0842
Hunter-Lab	47.6464, 5.5354, 5.7277

# Details

The XYZ color **23.7342, 22.7018, 22.1997** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.8042, 28.3314, 33.4395**, and the grayscale version is **22.1823, 23.3375, 25.4145**.

A 20% lighter version of the original color is **49.2105, 48.0972, 47.7643**, and **9.1100, 8.3862, 7.7952** is the 20% darker color. If you saturate the color by 10%, you get **21.1438, 18.9338, 16.9802**, and if you desaturate by 10%, it is **26.7416, 27.0692, 28.2802**.

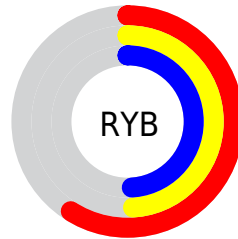
# Distribution



Red (59%)

Green (49%)

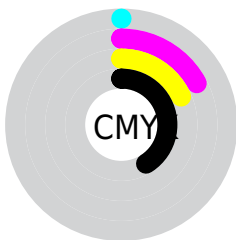
Blue (49%)



Red (59%)

Yellow (49%)

Blue (49%)

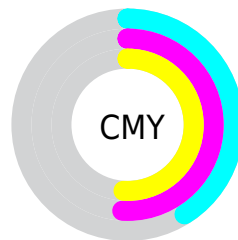


Cyan (0%)

Magenta (17%)

Yellow (18%)

Black (41%)



Cyan (41%)

Magenta (51%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7342, 22.7018, 22.1997 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 23.7342, 22.7018, 22.1997 by changing the saturation by 10% instead.



■ 23.7342, 22.7018,  
22.1997

■ 23.7342, 22.7018,  
22.1997

263.9394,  
266.1897, 276.5748

■ 15.2602, 14.3735,  
13.8040

■ 49.0539, 47.9032,  
47.9823

■ 9.0897, 8.3809,  
7.8473

■ 66.6304, 65.5451,  
66.2062

■ 4.8573, 4.3396,  
3.9110

■ 87.9718, 87.0603,  
88.5433

■ 2.1977, 1.8653,  
1.5767

113.4434,  
112.8332, 115.4120

■ 0.7415, 0.5274,  
0.2741

143.4106,  
143.2482, 147.2310

■ 0.0000, 0.0000,  
0.0000

178.2388,

178.6896, 184.4188

218.2933,  
219.5420, 227.3939

■ 23.7342, 22.7018,  
22.1997

■ 23.7342, 22.7018,  
22.1997

■ 21.1438, 18.9338,  
16.9802

■ 26.7416, 27.0692,  
28.2802

■ 18.9501, 15.7361,  
12.5815

■ 30.1812, 32.0574,  
35.2566

■ 17.1342, 13.0820,  
8.9622

■ 34.0699, 37.6904,  
43.1637

■ 15.6748, 10.9412,  
6.0768

■ 38.4229, 43.9899,  
52.0339

■ 14.5483, 9.2805,  
3.8753

■ 43.2550, 50.9769,  
61.8981

■ 13.7285, 8.0630,  
2.3012

■ 48.5802, 58.6713,  
72.7858

■ 13.1852, 7.2460,  
1.2889

■ 54.4117, 67.0921,  
84.7253

■ 12.8744, 6.7750,  
0.7211

■ 60.7626, 76.2578,  
97.7438

■ 12.8235, 6.7011,  
0.6176

■ 66.5726, 85.3193,  
107.5673

# Harmonies

## Analogous

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



23.9220, 22.7018, 25.4567



23.7342, 22.7018, 22.1997



22.9592, 22.7018, 19.8306

# Triad

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



23.7342, 22.7018, 22.1997



19.7954, 22.7018, 21.0417



21.3231, 22.7018, 31.7873

# Complementary

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



23.7342, 22.7018, 22.1997



24.8042, 28.3314, 33.4395

# 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.



20.2522, 22.7018, 30.3498



23.7342, 22.7018, 22.1997



19.3912, 22.7018, 23.9945

# Square

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



23.7342, 22.7018, 22.1997



20.6790, 22.7018, 19.2061



19.5554, 22.7018, 27.4207



22.5014, 22.7018, 31.1958



# Rectangle

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



23.7342, 22.7018, 22.1997



22.2284, 22.7018, 18.9722



19.5554, 22.7018, 27.4207



20.9392, 22.7018, 31.5214

# Sweetspot

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



23.7348, 22.7028, 22.2002



49.5243, 50.8477, 53.9561



25.4834, 23.2001, 32.0315



11.1686, 11.4300, 12.0860



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.



23.7348, 22.7028, 22.2002



40.7799, 38.1484, 36.2757



25.5468, 26.3267, 22.8042



6.2263, 6.2576, 6.4855



10.9140, 5.7103, 0.5270



0.1675, 0.0940, 0.0093



# Inverse Universe

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



24.8042, 28.3314, 33.4395



43.0180, 49.9303, 59.8039



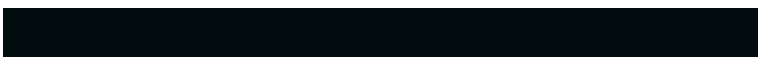
22.7872, 24.2975, 32.7672



6.3649, 6.9872, 7.9422



13.4216, 19.2398, 27.9140



0.2059, 0.2981, 0.4191



# Previews

## White Background



This preview shows how the XYZ color 23.7342, 22.7018, 22.1997 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 23.7342, 22.7018, 22.1997 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

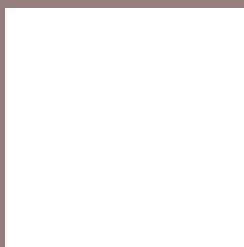
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 23.7342, 22.7018, 22.1997**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.7342, 22.7018, 22.1997.



This preview shows how white text looks on a background with the XYZ color 23.7342, 22.7018,



# 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

23.7342, 22.7018, 22.1997

### Protanopia

21.7786, 22.8332, 23.3381

### Deuteranopia

23.2601, 22.8370, 22.2508



## Tritanopia

24.3902, 22.7842, 25.3026

# Trichromacy



## Original Color

23.7342, 22.7018, 22.1997

## Protanomaly

22.4314, 22.7823, 22.9538

## Deuteranomaly

23.3117, 22.6728, 22.2164

## Tritanomaly

24.1858, 22.7024, 24.2264

# Monochromacy



## Original Color

23.7342, 22.7018, 22.1997

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

22.8271, 23.1524, 24.3848

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.7342, 22.7018, 22.1997 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(151, 125, 124)` looks like.

```
.text, #text, p{  
    color:rgb(151, 125, 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(151, 125, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 125, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 23.7342, 22.7018, 22.1997 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(151, 125, 124) }
```



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

```
.border{ border-color:rgb(151, 125, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 125, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 125, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 125, 124);  
box-shadow:4px 4px 4px 4px rgb(151, 125,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.7342, 22.7018, 22.1997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 125, 124) }
```

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

```
.background{ background-color: rgb(151,  
125, 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