

Converting Colors

XYZ(23.9456, 23.0066, 22.4731)

Have a look what the booklet for
XYZ(23.9456, 23.0066, 22.4731)
contains.

XYZ(23.9250, 22.9817, 22.5770)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.9250, 22.9817,
22.5770)**

Conversions

Conversions Part 1

Format	Color
Hex	977E7D
RGB	151, 126, 125
RGB Percent	59%, 49%, 49%
CMY	0.4078, 0.5059, 0.5098
CMYK	0.00, 0.17, 0.17, 0.41
HSL	2°, 11%, 54%
HSV	2°, 17%, 59%
XYZ	23.9250, 22.9817, 22.5770
YIQ	133.3610, 15.2210, 4.9890

Conversions

Conversions Part 2

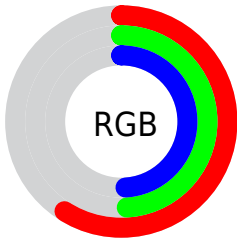
Format	Color
R_{YB}	151, 126, 125
Decimal	9928317
CIE Lab	55.05, 9.43, 4.13
CIE LCh	55, 10.299, 23.638
Yxy	22.9817, 0.3443, 0.3307
Android (android.graphics.Color)	4288118397 (0xFF977E7D)
YUV	133.3610, -4.1220, 15.4694
Hunter-Lab	47.9392, 5.1902, 5.6348

Details

The XYZ color **23.9250, 22.9817, 22.5770** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.9495, 28.4063, 33.4462**, and the grayscale version is **22.4371, 23.6056, 25.7065**.

A 20% lighter version of the original color is **49.6096, 48.5764, 48.8809**, and **9.2139, 8.5389, 8.0000** is the 20% darker color. If you saturate the color by 10%, you get **21.3093, 19.1783, 17.3023**, and if you desaturate by 10%, it is **26.9581, 27.3847, 28.7150**.

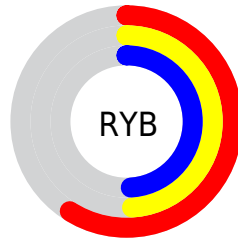
Distribution



Red (59%)

Green (49%)

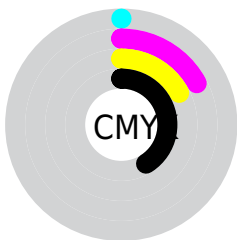
Blue (49%)



Red (59%)

Yellow (49%)

Blue (49%)

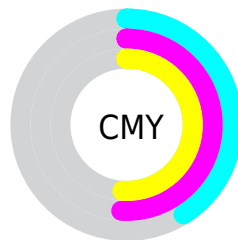


Cyan (0%)

Magenta (17%)

Yellow (17%)

Black (41%)



Cyan (41%)

Magenta (51%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9250, 22.9817, 22.5770 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 23.9250, 22.9817, 22.5770 by changing the saturation by 10% instead.

■ 23.9250, 22.9817,
22.5770

■ 23.9250, 22.9817,
22.5770

264.8886,
267.6310, 278.5960

■ 15.4024, 14.5800,
14.0791

■ 49.3633, 48.3633,
48.6122

■ 9.1905, 8.5252,
8.0363

■ 67.0098, 66.1119,
66.9866

■ 4.9237, 4.4328,
4.0301

■ 88.4283, 87.7450,
89.4902

■ 2.2369, 1.9185,
1.6419

113.9842,
113.6470, 116.5416

■ 0.7621, 0.5595,
0.3204

144.0428,
144.2022, 148.5594

■ 0.0000, 0.0000,
0.0000

178.9695,

179.7949, 185.9620

219.1297,
220.8098, 229.1680

■ 23.9250, 22.9817,
22.5770

■ 23.9250, 22.9817,
22.5770

■ 21.3093, 19.1783,
17.3023

■ 26.9581, 27.3847,
28.7150

■ 19.0909, 15.9456,
12.8507

■ 30.4237, 32.4083,
35.7509

■ 17.2509, 13.2570,
9.1812

■ 34.3385, 38.0765,
43.7194

■ 15.7683, 11.0826,
6.2487

■ 38.7178, 44.4109,
52.6528

■ 14.6197, 9.3896,
4.0033

■ 43.5762, 51.4322,
62.5819

■ 13.7793, 8.1415,
2.3891

■ 48.9275, 59.1601,
73.5360

■ 13.2172, 7.2965,
1.3414

■ 54.7850, 67.6137,
85.5435

■ 12.8926, 6.8027,
0.7542

■ 61.1617, 76.8113,
98.6314

■ 12.8258, 6.7058,
0.6184

■ 66.5725, 85.3193,
107.5673

Harmonies

Analogous

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



24.1075, 22.9817, 25.7290



23.9250, 22.9817, 22.5770



23.1761, 22.9817, 20.2772

Triad

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



23.9250, 22.9817, 22.5770



20.1165, 22.9817, 21.4648



21.6002, 22.9817, 31.8341

Complementary

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



23.9250, 22.9817, 22.5770



24.9495, 28.4063, 33.4462

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.



20.5628, 22.9817, 30.4573



23.9250, 22.9817, 22.5770



19.7257, 22.9817, 24.3304

Square

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



23.9250, 22.9817, 22.5770



20.9717, 22.9817, 19.6754



19.8862, 22.9817, 27.6399



22.7390, 22.9817, 31.2614

Rectangle

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



23.9250, 22.9817, 22.5770



22.4701, 22.9817, 19.4430



19.8862, 22.9817, 27.6399



21.2285, 22.9817, 31.5803

Sweetspot

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



23.9256, 22.9827, 22.5775



49.5273, 50.8536, 53.9571



25.6121, 23.4531, 32.0876



11.1694, 11.4315, 12.0862



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.



23.9256, 22.9827, 22.5775



40.7897, 38.1681, 36.2790



25.6777, 26.4868, 23.1615



6.2270, 6.2590, 6.4858



10.9161, 5.7146, 0.5277



0.1677, 0.0944, 0.0094

Inverse Universe

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



24.9495, 28.4063, 33.4462



43.0049, 49.9041, 59.7995



23.0083, 24.5239, 32.7992



6.3642, 6.9857, 7.9419



13.3938, 19.1842, 27.9047



0.2057, 0.2977, 0.4190

Previews

White Background



This preview shows how the XYZ color 23.9250, 22.9817, 22.5770 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 23.9250, 22.9817, 22.5770 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 23.9250, 22.9817, 22.5770

Background



This preview shows how black text looks on a background with the XYZ color 23.9250, 22.9817, 22.5770.



This preview shows how white text looks on a background with the XYZ color 23.9250, 22.9817,

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

23.9250, 22.9817, 22.5770

Protanopia

22.0043, 22.9420, 23.6906

Deuteranopia

23.3237, 22.8625, 22.5856



Tritanopia

24.5856, 23.0639, 25.7102

Trichromacy



Original Color

23.9250, 22.9817, 22.5770

Protanomaly

22.6655, 22.8955, 23.3034

Deuteranomaly

23.5038, 22.9553, 22.5941

Tritanomaly

24.3792, 22.9813, 24.6236

Monochromacy



Original Color

23.9250, 22.9817, 22.5770

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 23.9250, 22.9817, 22.5770 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, 126, 125) looks like.

```
.text, #text, p{  
    color:rgb(151, 126, 125)  
}
```

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, 126, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 126, 125) }
```

Border

The CSS property to change the border of an element to XYZ 23.9250, 22.9817, 22.5770 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, 126, 125) }
```


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

```
.border{ border-color:rgb(151, 126, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 126, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 126, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 126, 125);  
box-shadow:4px 4px 4px 4px rgb(151, 126,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9250, 22.9817, 22.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 126, 125) }
```

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

```
.background{ background-color: rgb(151,  
126, 125) }
```

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