

Converting Colors

XYZ(23.7860, 21.3464, 21.1049)

Have a look what the booklet for
XYZ(23.7860, 21.3464, 21.1049)
contains.

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Color

**XYZ(23.7171, 21.2712,
20.9449)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7579
RGB	157, 117, 121
RGB Percent	62%, 46%, 47%
CMY	0.3843, 0.5412, 0.5255
CMYK	0.00, 0.25, 0.23, 0.38
HSL	354°, 17%, 54%
HSV	354°, 25%, 62%
XYZ	23.7171, 21.2712, 20.9449
YIQ	129.4160, 22.5560, 9.7240

Conversions

Conversions Part 2

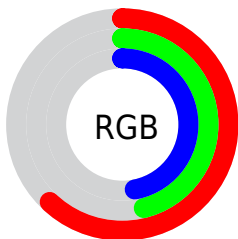
Format	Color
R_{YB}	157, 117, 121
Decimal	10319225
CIE _{Lab}	53.25, 16.31, 3.94
CIE _{LCh}	53, 16.781, 13.564
Yxy	21.2712, 0.3597, 0.3226
Android (android.graphics.Color)	4288509305 (0xFF9D7579)
YUV	129.4160, -4.1491, 24.1912
Hunter-Lab	46.1207, 11.0805, 5.3590

Details

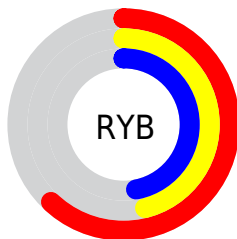
The XYZ color **23.7171, 21.2712, 20.9449** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.1437, 30.1962, 34.6417**, and the grayscale version is **21.0213, 22.1160, 24.0844**.

A 20% lighter version of the original color is **48.8822, 45.3901, 45.7200**, and **9.0954, 7.6185, 7.2945** is the 20% darker color. If you saturate the color by 10%, you get **21.2349, 17.5935, 16.1507**, and if you desaturate by 10%, it is **26.6342, 25.6153, 26.5109**.

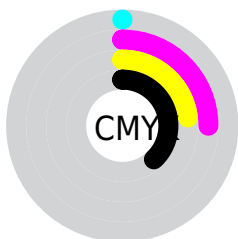
Distribution



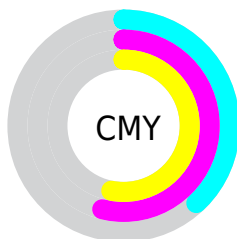
- Red (62%)
- Green (46%)
- Blue (47%)



- Red (62%)
- Yellow (46%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (23%)
- Black (38%)



- Cyan (38%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7171, 21.2712, 20.9449 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 23.7171, 21.2712, 20.9449 by changing the saturation by 10% instead.

■ 23.7171, 21.2712,
20.9449

■ 23.7171, 21.2712,
20.9449

263.8542,
258.7163, 269.7569

■ 15.2475, 13.3224,
12.8929

■ 49.0262, 45.5385,
45.8754

■ 9.0807, 7.6509,
7.2250

■ 66.5964, 62.6257,
63.5910

■ 4.8514, 3.8724,
3.5226

■ 87.9308, 83.5278,
85.3648

■ 2.1942, 1.6024,
1.3673

113.3949,
108.6293, 111.6155

■ 0.7397, 0.3592,
0.1160

143.3539,
138.3145, 142.7615

■ 0.0000, 0.0000,
0.0000

178.1732,

172.9678, 179.2214

218.2182,
212.9736, 221.4137

■ 23.7171, 21.2712,
20.9449

■ 23.7171, 21.2712,
20.9449

■ 21.2349, 17.5935,
16.1507

■ 26.6342, 25.6153,
26.5109

■ 19.1651, 14.5464,
12.0929

■ 30.0039, 30.6533,
32.8794

■ 17.4859, 12.0953,
8.7354

■ 33.8450, 36.4149,
40.0809

■ 16.1724, 10.2011,
6.0385

■ 38.1747, 42.9270,
48.1439

■ 15.1972, 8.8201,
3.9583

■ 43.0094, 50.2153,
57.0957

■ 14.5289, 7.9018,
2.4457

■ 48.3645, 58.3042,
66.9623

■ 14.1274, 7.3806,
1.4432

■ 54.2551, 67.2170,
77.7686

■ 13.9959, 7.2046,
1.1311

■ 60.6955, 76.9761,
89.5386

■ 66.6361, 85.4767,
101.9411

Harmonies

Analogous

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



23.6679, 21.2712, 26.0354



23.7171, 21.2712, 20.9449



22.7906, 21.2712, 17.0611

Triad

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



23.7171, 21.2712, 20.9449



17.9574, 21.2712, 16.7803



19.2680, 21.2712, 33.8475

Complementary

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



23.7171, 21.2712, 20.9449



25.1437, 30.1962, 34.6417

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.



17.8460, 21.2712, 30.5643



23.7171, 21.2712, 20.9449



17.1201, 21.2712, 20.5059

Square

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



23.7171, 21.2712, 20.9449



19.4284, 21.2712, 14.9050



17.0805, 21.2712, 25.5276



21.0280, 21.2712, 34.0109

Rectangle

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



23.7171, 21.2712, 20.9449



21.7741, 21.2712, 15.4702



17.0805, 21.2712, 25.5276



18.7372, 21.2712, 33.0526

Sweetspot

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



23.7177, 21.2722, 20.9453



52.0359, 52.3549, 55.6841



25.5846, 21.9303, 34.7829



11.2571, 11.2316, 11.8886



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.7177, 21.2722, 20.9453



39.6641, 33.9255, 32.0942



25.5037, 25.2283, 20.3563



6.6587, 6.6564, 7.0536



11.3742, 5.8542, 0.9556



0.2103, 0.1074, 0.0536

Inverse Universe

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



23.7177, 21.2722, 20.9453



39.6641, 33.9255, 32.0942



22.9476, 25.2668, 35.5659



6.6587, 6.6564, 7.0536



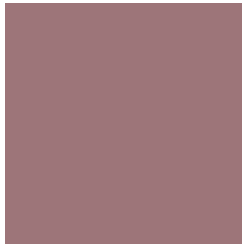
11.3742, 5.8542, 0.9556



0.2103, 0.1074, 0.0536

Previews

White Background



This preview shows how the XYZ color 23.7171, 21.2712, 20.9449 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 23.7171, 21.2712, 20.9449 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 23.7171, 21.2712, 20.9449

Background



This preview shows how black text looks on a background with the XYZ color 23.7171, 21.2712, 20.9449.



This preview shows how white text looks on a background with the XYZ color 23.7171, 21.2712,

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

23.7171, 21.2712, 20.9449

Protanopia

20.5612, 21.4309, 22.7916

Deuteranopia

21.8008, 21.3616, 20.7435



Tritanopia

23.8517, 21.1395, 22.2253

Trichromacy



Original Color

23.7171, 21.2712, 20.9449

Protanomaly

21.5363, 21.1966, 22.0251

Deuteranomaly

22.4403, 21.3267, 20.7030

Tritanomaly

23.7881, 21.1141, 21.8904

Monochromacy



Original Color

23.7171, 21.2712, 20.9449

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.7470, 21.6626, 22.7738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7171, 21.2712, 20.9449 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(157, 117, 121)` looks like.

```
.text, #text, p{  
    color:rgb(157, 117, 121)  
}
```

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(157, 117, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 117, 121) }
```

Border

The CSS property to change the border of an element to XYZ 23.7171, 21.2712, 20.9449 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(157, 117, 121) }
```


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

```
.border{ border-color:rgb(157, 117, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 117, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 117, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 117, 121);  
box-shadow:4px 4px 4px 4px rgb(157, 117,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7171, 21.2712, 20.9449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 117, 121) }
```

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

```
.background{ background-color: rgb(157,  
117, 121) }
```

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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