

Converting Colors

XYZ(23.7779, 20.6737, 23.1809)

Have a look what the booklet for
XYZ(23.7779, 20.6737, 23.1809)
contains.

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Color

**XYZ(23.8182, 20.7612,
23.1740)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7280
RGB	157, 114, 128
RGB Percent	62%, 45%, 50%
CMY	0.3843, 0.5529, 0.4980
CMYK	0.00, 0.27, 0.18, 0.38
HSL	340°, 18%, 53%
HSV	340°, 27%, 62%
XYZ	23.8182, 20.7612, 23.1740
YIQ	128.4530, 21.1340, 13.4700

Conversions

Conversions Part 2

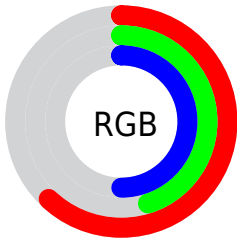
Format	Color
R _Y B	157, 114, 128
Decimal	10318464
CIE Lab	52.69, 19.16, -0.98
CIE LCh	53, 19.189, 357.059
Yxy	20.7612, 0.3515, 0.3064
Android (android.graphics.Color)	4288508544 (0xFF9D7280)
YUV	128.4530, -0.2233, 25.0357
Hunter-Lab	45.5645, 13.5706, 1.7403

Details

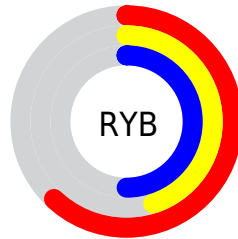
The XYZ color **23.8182, 20.7612, 23.1740** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.9552, 29.6750, 30.4533**, and the grayscale version is **20.6713, 21.7478, 23.6833**.

A 20% lighter version of the original color is **49.1281, 44.6057, 49.7365**, and **9.1273, 7.3484, 8.3345** is the 20% darker color. If you saturate the color by 10%, you get **21.5360, 17.2545, 19.1522**, and if you desaturate by 10%, it is **26.4783, 24.9068, 27.6812**.

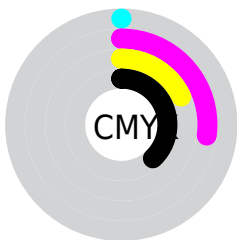
Distribution



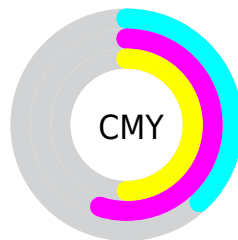
- Red (62%)
- Green (45%)
- Blue (50%)



- Red (62%)
- Yellow (45%)
- Blue (50%)



- Cyan (0%)
- Magenta (27%)
- Yellow (18%)
- Black (38%)



- Cyan (38%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8182, 20.7612, 23.1740 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 23.8182, 20.7612, 23.1740 by changing the saturation by 10% instead.

■ 23.8182, 20.7612,
23.1740

■ 23.8182, 20.7612,
23.1740

264.3576,
256.0067, 281.7683

■ 15.3228, 12.9496,
14.5155

■ 49.1902, 44.6898,
49.6057

■ 9.1341, 7.3938,
8.3373

■ 66.7975, 61.5755,
68.2160

■ 4.8865, 3.7096,
4.2207

■ 88.1729, 82.2547,
90.9807

■ 2.2149, 1.5125,
1.7472

■ 113.6817,
107.1117, 118.3182

■ 0.7506, 0.2975,
0.3928

143.6892,
136.5311, 150.6472

■ 0.0000, 0.0000,
0.0000

178.5607,

170.8971, 188.3862

218.6618,
210.5942, 231.9537

■ 23.8182, 20.7612,
23.1740

■ 23.8182, 20.7612,
23.1740

■ 21.5360, 17.2545,
19.1522

■ 26.4783, 24.9068,
27.6812

■ 19.6122, 14.3520,
15.5975

■ 29.5311, 29.7182,
32.6885

■ 18.0282, 12.0198,
12.4926

■ 32.9926, 35.2242,
38.2115

■ 16.7629, 10.2198,
9.8182

■ 36.8777, 41.4509,
44.2648

■ 15.7926, 8.9088,
7.5537

■ 41.2002, 48.4231,
50.8623

■ 15.0902, 8.0370,
5.6763

■ 45.9734, 56.1647,
58.0176

■ 14.6122, 7.5224,
4.1567

■ 51.2100, 64.6981,
65.7434

■ 14.5047, 7.4081,
3.8100

■ 56.9223, 74.0451,
74.0525

■ 63.0249, 84.0322,
82.9244

Harmonies

Analogous

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



23.1313, 20.7612, 29.1229



23.8182, 20.7612, 23.1740



23.3509, 20.7612, 17.9660

Triad

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



23.8182, 20.7612, 23.1740



18.0384, 20.7612, 14.1637



17.7191, 20.7612, 33.1384

Complementary

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



23.8182, 20.7612, 23.1740



23.9552, 29.6750, 30.4533

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.



16.5094, 20.7612, 27.9818



23.8182, 20.7612, 23.1740



16.6848, 20.7612, 17.1410

Square

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



23.8182, 20.7612, 23.1740



19.9304, 20.7612, 13.3112



16.1437, 20.7612, 22.0462



19.5367, 20.7612, 35.4514

Rectangle

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



23.8182, 20.7612, 23.1740



22.4639, 20.7612, 15.4776



16.1437, 20.7612, 22.0462



17.2327, 20.7612, 31.6417

Sweetspot

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



23.8188, 20.7622, 23.1744



52.4416, 52.5172, 57.8207



23.3739, 20.2799, 34.5810



11.3604, 11.2729, 12.4323



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.



23.8188, 20.7622, 23.1744



40.0250, 33.1270, 36.9015



23.8002, 22.0992, 18.9319



6.7176, 6.6800, 7.3642



11.7959, 6.0229, 3.1762



0.2292, 0.1150, 0.1531

Inverse Universe

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



23.8188, 20.7622, 23.1744



40.0250, 33.1270, 36.9015



23.9057, 27.7719, 35.9990



6.7176, 6.6800, 7.3642



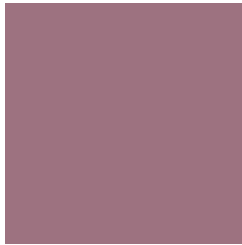
11.7959, 6.0229, 3.1762



0.2292, 0.1150, 0.1531

Previews

White Background



This preview shows how the XYZ color 23.8182, 20.7612, 23.1740 looks on a white background.

Color Contrast Check

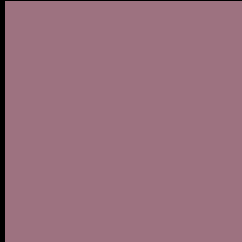
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8182, 20.7612, 23.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

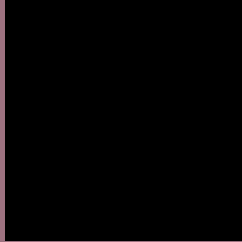
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8182, 20.7612, 23.1740

Background



This preview shows how black text looks on a background with the XYZ color 23.8182, 20.7612, 23.1740.



This preview shows how white text looks on a background with the XYZ color 23.8182, 20.7612,

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

23.8182, 20.7612, 23.1740

Protanopia

20.3110, 20.8521, 25.8760

Deuteranopia

21.2715, 20.8546, 22.9829



Tritanopia

23.4791, 20.7846, 21.8431

Trichromacy



Original Color

23.8182, 20.7612, 23.1740

Protanomaly

21.3188, 20.6591, 24.6938

Deuteranomaly

22.1046, 20.7457, 22.9180

Tritanomaly

23.5427, 20.8101, 22.1779

Monochromacy



Original Color

23.8182, 20.7612, 23.1740

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.6267, 21.2134, 23.3768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8182, 20.7612, 23.1740 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, 114, 128)` looks like.

```
.text, #text, p{  
    color:rgb(157, 114, 128)  
}
```

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, 114, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 114, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.8182, 20.7612, 23.1740 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, 114, 128) }
```


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

```
.border{ border-color:rgb(157, 114, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 114, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 114, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 114, 128);  
box-shadow:4px 4px 4px 4px rgb(157, 114,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8182, 20.7612, 23.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 114, 128) }
```

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

```
.background{ background-color: rgb(157,  
114, 128) }
```

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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