

Converting Colors

XYZ(23.8663, 21.6480, 23.2835)

Have a look what the booklet for
XYZ(23.8663, 21.6480, 23.2835)
contains.

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Color

**XYZ(23.8195, 21.6222,
23.3401)**

Conversions

Conversions Part 1

Format	Color
Hex	9A7780
RGB	154, 119, 128
RGB Percent	60%, 47%, 50%
CMY	0.3961, 0.5333, 0.4980
CMYK	0.00, 0.23, 0.17, 0.40
HSL	345°, 15%, 54%
HSV	345°, 23%, 60%
XYZ	23.8195, 21.6222, 23.3401
YIQ	130.4910, 17.9710, 10.2190

Conversions

Conversions Part 2

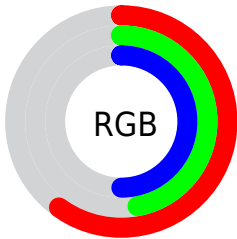
Format	Color
R_{YB}	154, 119, 128
Decimal	10123136
CIE _{Lab}	53.62, 15.13, 0.35
CIE _{LCh}	54, 15.136, 1.309
Yxy	21.6222, 0.3463, 0.3144
Android (android.graphics.Color)	4288313216 (0xFF9A7780)
YUV	130.4910, -1.2281, 20.6174
Hunter-Lab	46.4997, 10.0623, 2.7897

Details

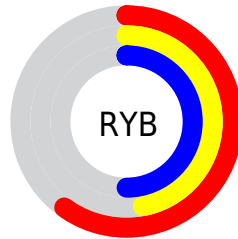
The XYZ color **23.8195, 21.6222, 23.3401** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2751, 29.0780, 31.1227**, and the grayscale version is **21.3924, 22.5064, 24.5095**.

A 20% lighter version of the original color is **49.1979, 46.0173, 50.0053**, and **9.0809, 7.7696, 8.4182** is the 20% darker color. If you saturate the color by 10%, you get **21.4221, 17.9652, 19.0327**, and if you desaturate by 10%, it is **26.6001, 25.9092, 28.1947**.

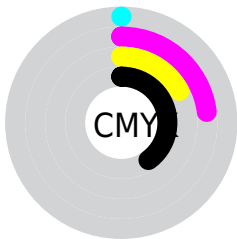
Distribution



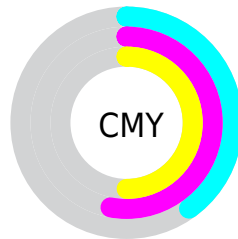
- Red (60%)
- Green (47%)
- Blue (50%)



- Red (60%)
- Yellow (47%)
- Blue (50%)



- Cyan (0%)
- Magenta (23%)
- Yellow (17%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8195, 21.6222, 23.3401 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 23.8195, 21.6222, 23.3401 by changing the saturation by 10% instead.

■ 23.8195, 21.6222,
23.3401

■ 23.8195, 21.6222,
23.3401

264.3641,
260.5669, 282.6454

■ 15.3238, 13.5796,
14.6372

■ 49.1923, 46.1208,
49.8814

■ 9.1347, 7.8288,
8.4214

■ 66.8001, 63.3455,
68.5569

■ 4.8870, 3.9856,
4.2741

■ 88.1760, 84.3997,
91.3937

■ 2.2152, 1.6655,
1.7769

113.6853,
109.6678, 118.8102

■ 0.7507, 0.4012,
0.4127

143.6935,
139.5342, 151.2251

■ 0.0000, 0.0000,
0.0000

178.5657,

174.3832, 189.0569

218.6675,
214.5993, 232.7242

■ 23.8195, 21.6222,
23.3401

■ 23.8195, 21.6222,
23.3401

■ 21.4221, 17.9652,
19.0327

■ 26.6001, 25.9092,
28.1947

■ 19.3889, 14.9054,
15.2517

■ 29.7780, 30.8508,
33.6136

■ 17.7021, 12.4118,
11.9767


■ 33.3689, 36.4742,
39.6150


■ 16.3417, 10.4492,
9.1855


■ 37.3870, 42.8038,
46.2158


■ 15.2854, 8.9786,
6.8543

■ 41.8461, 49.8633,
53.4321


 14.5080, 7.9553,
4.9569


 46.7589, 57.6747,
61.2794

 13.9802, 7.3268,
3.4643

 52.1380, 66.2596,
69.7727

 13.7025, 7.0205,
2.6040

 57.9954, 75.6383,
78.9266

 63.5061, 84.1579,
88.4762

Harmonies

Analogous

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



23.4016, 21.6222, 28.0826



23.8195, 21.6222, 23.3401



23.3242, 21.6222, 19.2116

Triad

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



23.8195, 21.6222, 23.3401



18.9773, 21.6222, 16.7242



19.0942, 21.6222, 32.2513

Complementary

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



23.8195, 21.6222, 23.3401



24.2751, 29.0780, 31.1227

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.



18.0073, 21.6222, 28.4807



23.8195, 21.6222, 23.3401



17.9423, 21.6222, 19.5209

Square

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



23.8195, 21.6222, 23.3401



20.4803, 21.6222, 15.7146



17.5965, 21.6222, 23.7469



20.6224, 21.6222, 33.6160

Rectangle

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



23.8195, 21.6222, 23.3401



22.5571, 21.6222, 17.2534



17.5965, 21.6222, 23.7469



18.6680, 21.6222, 31.2007

Sweetspot

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



23.8201, 21.6232, 23.3405



51.4540, 51.9291, 56.5864



24.0487, 21.5173, 33.4577



11.5764, 11.6451, 12.6889



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.



23.8201, 21.6232, 23.3405



41.0880, 35.9403, 38.5089



24.2678, 23.4247, 20.6964



6.2707, 6.2475, 6.8058



11.1767, 5.7249, 2.1894



0.1803, 0.0909, 0.1022

Inverse Universe

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



23.8201, 21.6232, 23.3405



41.0880, 35.9403, 38.5089



23.6944, 26.7621, 34.4887



6.2707, 6.2475, 6.8058



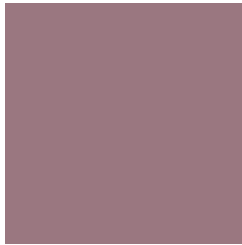
11.1767, 5.7249, 2.1894



0.1803, 0.0909, 0.1022

Previews

White Background



This preview shows how the XYZ color 23.8195, 21.6222, 23.3401 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 23.8195, 21.6222, 23.3401 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 23.8195, 21.6222, 23.3401

Background



This preview shows how black text looks on a background with the XYZ color 23.8195, 21.6222, 23.3401.



This preview shows how white text looks on a background with the XYZ color 23.8195, 21.6222,

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

23.8195, 21.6222, 23.3401

Protanopia

21.0061, 21.7989, 25.2908

Deuteranopia

22.0229, 21.6103, 23.0892



Tritanopia

23.8195, 21.6222, 23.3401

Trichromacy



Original Color

23.8195, 21.6222, 23.3401

Protanomaly

21.9116, 21.7092, 24.5082

Deuteranomaly

22.6444, 21.5624, 23.0471

Tritanomaly

23.8195, 21.6222, 23.3401

Monochromacy



Original Color

23.8195, 21.6222, 23.3401

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.0708, 21.9957, 23.8512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8195, 21.6222, 23.3401 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(154, 119, 128)` looks like.

```
.text, #text, p{  
    color:rgb(154, 119, 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(154, 119, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 119, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.8195, 21.6222, 23.3401 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(154, 119, 128) }
```


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

```
.border{ border-color:rgb(154, 119, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 119, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 119, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 119, 128);  
box-shadow:4px 4px 4px 4px rgb(154, 119,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8195, 21.6222, 23.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 119, 128) }
```

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

```
.background{ background-color: rgb(154,  
119, 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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