

Converting Colors

XYZ(23.2511, 22.1156, 23.3329)

Have a look what the booklet for
XYZ(23.2511, 22.1156, 23.3329)
contains.

XYZ(23.1920, 22.0203, 23.4501)	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(23.1920, 22.0203,
23.4501)**

Conversions

Conversions Part 1

Format	Color
Hex	947B80
RGB	148, 123, 128
RGB Percent	58%, 48%, 50%
CMY	0.4196, 0.5176, 0.4980
CMYK	0.00, 0.17, 0.14, 0.42
HSL	348°, 10%, 53%
HSV	348°, 17%, 58%
XYZ	23.1920, 22.0203, 23.4501
YIQ	131.0450, 13.2950, 6.8550

Conversions

Conversions Part 2

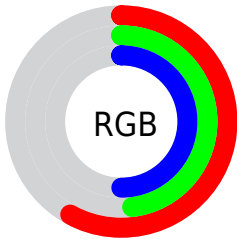
Format	Color
R_{YB}	148, 123, 128
Decimal	9730944
CIE _{Lab}	54.05, 10.51, 0.89
CIE _{LCh}	54, 10.547, 4.842
Yxy	22.0203, 0.3378, 0.3207
Android (android.graphics.Color)	4287921024 (0xFF947B80)
YUV	131.0450, -1.5012, 14.8695
Hunter-Lab	46.9258, 6.0994, 3.2192

Details

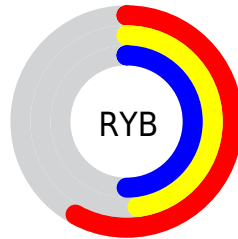
The XYZ color **23.1920, 22.0203, 23.4501** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7171, 27.3745, 30.0217**, and the grayscale version is **21.5918, 22.7163, 24.7380**.

A 20% lighter version of the original color is **48.2229, 46.9434, 50.2354**, and **8.7898, 8.0035, 8.4787** is the 20% darker color. If you saturate the color by 10%, you get **20.7586, 18.3287, 19.0155**, and if you desaturate by 10%, it is **25.9952, 26.3054, 28.4573**.

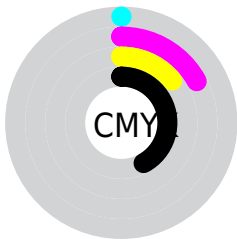
Distribution



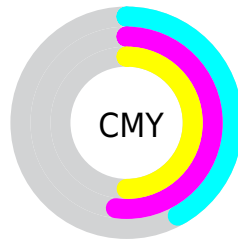
- Red (58%)
- Green (48%)
- Blue (50%)



- Red (58%)
- Yellow (48%)
- Blue (50%)



- Cyan (0%)
- Magenta (17%)
- Yellow (14%)
- Black (42%)



- Cyan (42%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1920, 22.0203, 23.4501 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 23.1920, 22.0203, 23.4501 by changing the saturation by 10% instead.

■ 23.1920, 22.0203,
23.4501

■ 23.1920, 22.0203,
23.4501

261.2266,
262.6523, 283.2249

■ 14.8568, 13.8718,
14.7178

■ 48.1727, 46.7795,
50.0639

■ 8.8046, 8.0316,
8.4772

■ 65.5490, 64.1591,
68.7824

■ 4.6700, 4.1152,
4.3096

■ 86.6697, 85.3845,
91.6668

■ 2.0878, 1.7382,
1.7967

111.9001,
110.8400, 119.1355

■ 0.6825, 0.4482,
0.4258

141.6057,
140.9102, 151.6072

■ 0.0000, 0.0000,
0.0000

176.1517,

175.9794, 189.5002

215.9035,
216.4319, 233.2333

■ 23.1920, 22.0203,
23.4501

■ 23.1920, 22.0203,
23.4501

■ 20.7586, 18.3287,
19.0155

■ 25.9952, 26.3054,
28.4573

■ 18.6776, 15.2016,
15.1315

■ 29.1809, 31.2055,
34.0553

■ 16.9330, 12.6119,
11.7768

■ 32.7636, 36.7447,
40.2629

■ 15.5068, 10.5292,
8.9283

■ 36.7564, 42.9449,
47.0980

■ 14.3791, 8.9200,
6.5608

■ 41.1718, 49.8270,
54.5776

■ 13.5281, 7.7466,
4.6471

■ 46.0218, 57.4107,
62.7180

■ 12.9285, 6.9658,
3.1571

■ 51.3178, 65.7154,
71.5350

■ 12.5412, 6.5072,
2.0539

■ 57.0709, 74.7593,
81.0438

■ 12.4420, 6.3876,
1.7781

■ 62.9065, 83.7894,
91.1308

Harmonies

Analogous

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



22.9782, 22.0203, 26.7470



23.1920, 22.0203, 23.4501



22.7818, 22.0203, 20.5639

Triad

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



23.1920, 22.0203, 23.4501



19.7014, 22.0203, 19.1818



20.0110, 22.0203, 30.1230

Complementary

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



23.1920, 22.0203, 23.4501



23.7171, 27.3745, 30.0217

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.



19.1807, 22.0203, 27.7469



23.1920, 22.0203, 23.4501



19.0066, 22.0203, 21.4040

Square

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



23.1920, 22.0203, 23.4501



20.7451, 22.0203, 18.2463



18.8194, 22.0203, 24.5104



21.1153, 22.0203, 30.7956

Rectangle

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



23.1920, 22.0203, 23.4501



22.2182, 22.0203, 19.1989



18.8194, 22.0203, 24.5104



19.6919, 22.0203, 29.4871

Sweetspot

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



23.1926, 22.0213, 23.4506



46.8226, 47.8808, 51.9016



23.7567, 22.1447, 31.0395



10.6102, 10.8098, 11.7095



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.1926, 22.0213, 23.4506



39.3420, 36.4520, 38.5177



23.8379, 23.8254, 22.0824



5.8454, 5.8332, 6.2920



10.6357, 5.4593, 1.5625



0.1389, 0.0703, 0.0648

Inverse Universe

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



23.1926, 22.0213, 23.4506



39.3420, 36.4520, 38.5177



22.9658, 25.2524, 31.6811



5.8454, 5.8332, 6.2920



10.6357, 5.4593, 1.5625



0.1389, 0.0703, 0.0648

Previews

White Background



This preview shows how the XYZ color 23.1920, 22.0203, 23.4501 looks on a white background.

Color Contrast Check

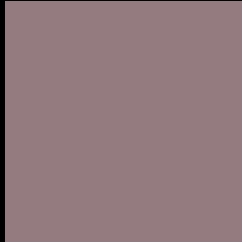
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1920, 22.0203, 23.4501 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 23.1920, 22.0203, 23.4501

Background



This preview shows how black text looks on a background with the XYZ color 23.1920, 22.0203, 23.4501.



This preview shows how white text looks on a background with the XYZ color 23.1920, 22.0203,

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

23.1920, 22.0203, 23.4501

Protanopia

21.3071, 22.1645, 24.6279

Deuteranopia

22.3852, 21.9765, 23.4841



Tritanopia

23.5188, 21.9746, 24.8317

Trichromacy



Original Color

23.1920, 22.0203, 23.4501

Protanomaly

21.9352, 22.1088, 24.2304

Deuteranomaly

22.6055, 21.9031, 23.4584

Tritanomaly

23.4507, 21.9473, 24.4730

Monochromacy



Original Color

23.1920, 22.0203, 23.4501

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.0650, 22.3684, 24.2737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1920, 22.0203, 23.4501 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(148, 123, 128) looks like.

```
.text, #text, p{  
    color:rgb(148, 123, 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(148, 123, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 123, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.1920, 22.0203, 23.4501 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(148, 123, 128) }
```


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

```
.border{ border-color:rgb(148, 123, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 123, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(148, 123,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1920, 22.0203, 23.4501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 123, 128) }
```

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

```
.background{ background-color: rgb(148,  
123, 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](#).

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