

Converting Colors

XYZ(22.2492, 20.8786, 20.3120)

Have a look what the booklet for
XYZ(22.2492, 20.8786, 20.3120)
contains.

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Color

**XYZ(22.3210, 20.9151,
20.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	957777
RGB	149, 119, 119
RGB Percent	58%, 47%, 47%
CMY	0.4157, 0.5333, 0.5333
CMYK	0.00, 0.20, 0.20, 0.42
HSL	0°, 12%, 53%
HSV	0°, 20%, 58%
XYZ	22.3210, 20.9151, 20.3133
YIQ	127.9700, 17.8800, 6.3600

Conversions

Conversions Part 2

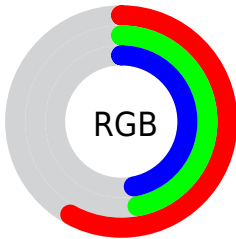
Format	Color
R _Y B	149, 119, 119
Decimal	9795447
CIE Lab	52.86, 11.69, 4.44
CIE LCh	53, 12.500, 20.796
Yxy	20.9151, 0.3512, 0.3291
Android (android.graphics.Color)	4287985527 (0xFF957777)
YUV	127.9700, -4.4222, 18.4433
Hunter-Lab	45.7330, 7.0880, 5.6782

Details

The XYZ color **22.3210, 20.9151, 20.3133** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7797, 27.5860, 32.5052**, and the grayscale version is **20.5184, 21.5869, 23.5081**.

A 20% lighter version of the original color is **46.8154, 44.9035, 44.7279**, and **8.3645, 7.4319, 6.9549** is the 20% darker color. If you saturate the color by 10%, you get **19.8592, 17.3129, 15.4186**, and if you desaturate by 10%, it is **25.2022, 25.1312, 26.0405**.

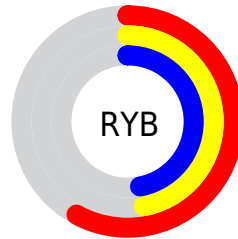
Distribution



Red (58%)

Green (47%)

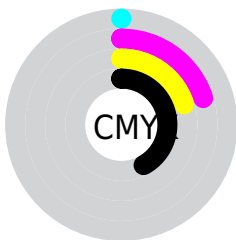
Blue (47%)



Red (58%)

Yellow (47%)

Blue (47%)

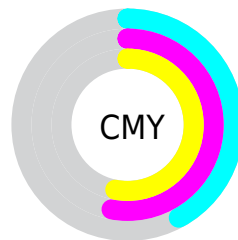


Cyan (0%)

Magenta (20%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (53%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3210, 20.9151, 20.3133 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 22.3210, 20.9151, 20.3133 by changing the saturation by 10% instead.

■ 22.3210, 20.9151,
20.3133

■ 22.3210, 20.9151,
20.3133

256.8190,
256.8270, 266.2663

■ 14.2109, 13.0620,
12.4367

■ 46.7509, 44.9462,
44.8077

■ 8.3502, 7.4712,
6.9157

■ 63.8014, 61.8929,
62.2625

■ 4.3735, 3.7585,
3.3318

■ 84.5627, 82.6397,
83.7471

■ 1.9155, 1.5394,
1.2664

109.4001,
107.5708, 109.6801

■ 0.5858, 0.3162,
0.0340

138.6792,
137.0707, 140.4800

■ 0.0000, 0.0000,
0.0000

172.7651,

171.5237, 176.5653

212.0233,
211.3144, 218.3545

■ 22.3210, 20.9151,
20.3133

■ 22.3210, 20.9151,
20.3133

■ 19.8592, 17.3129,
15.4186

■ 25.2022, 25.1312,
26.0405

■ 17.7957, 14.2934,
11.3164

■ 28.5194, 29.9851,
32.6350

■ 16.1101, 11.8268,
7.9655

■ 32.2901, 35.5026,
40.1313

■ 14.7794, 9.8797,
5.3204

■ 36.5305, 41.7074,
48.5615

■ 13.7784, 8.4149,
3.3305

■ 41.2561, 48.6221,
57.9561

■ 13.0783, 7.3903,
1.9389

■ 46.4814, 56.2681,
68.3445

■ 12.6454, 6.7568,
1.0785

■ 52.2206, 64.6660,
79.7545

■ 12.3946, 6.3899,
0.5801

■ 58.4872, 73.8356,
92.2130

■ 65.2942, 83.7959,
105.7458

Harmonies

Analogous

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



22.4631, 20.9151, 23.9431



22.3210, 20.9151, 20.3133



21.5095, 20.9151, 17.6412

Triad

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



22.3210, 20.9151, 20.3133



17.9956, 20.9151, 18.5219



19.4801, 20.9151, 30.6376

Complementary

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



22.3210, 20.9151, 20.3133



23.7797, 27.5860, 32.5052

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.



18.3334, 20.9151, 28.8145



22.3210, 20.9151, 20.3133



17.5014, 20.9151, 21.6416

Square

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



22.3210, 20.9151, 20.3133



19.0007, 20.9151, 16.6883



17.6223, 20.9151, 25.4236



20.7844, 20.9151, 30.1816

Rectangle

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



22.3210, 20.9151, 20.3133



20.7169, 20.9151, 16.6328



17.6223, 20.9151, 25.4236



19.0643, 20.9151, 30.2641

Sweetspot

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



22.3216, 20.9161, 20.3137



47.4216, 48.3543, 51.1831



24.4162, 21.7534, 31.3459



10.4357, 10.6083, 11.1966



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.



22.3216, 20.9161, 20.3137



37.9652, 34.5171, 32.3839



24.2495, 24.7719, 20.9564



5.8009, 5.8155, 6.0572



10.4318, 5.3780, 0.4882



0.1277, 0.0658, 0.0060

Inverse Universe

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



23.7797, 27.5860, 32.5052



41.0458, 48.6084, 58.1403



21.5579, 23.1423, 31.7646



5.9641, 6.5622, 7.4220



13.6093, 19.9135, 27.0574



0.1666, 0.2438, 0.3312

Previews

White Background



This preview shows how the XYZ color 22.3210, 20.9151, 20.3133 looks on a white background.

Color Contrast Check

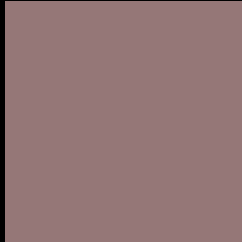
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3210, 20.9151, 20.3133 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 22.3210, 20.9151, 20.3133

Background



This preview shows how black text looks on a background with the XYZ color 22.3210, 20.9151, 20.3133.



This preview shows how white text looks on a background with the XYZ color 22.3210, 20.9151,

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

22.3210, 20.9151, 20.3133

Protanopia

20.0893, 21.0189, 21.7371

Deuteranopia

21.3849, 20.9779, 20.0616



Tritanopia

22.8869, 20.9732, 22.9206

Trichromacy



Original Color

22.3210, 20.9151, 20.3133

Protanomaly

20.7492, 20.8053, 21.3346

Deuteranomaly

21.7844, 21.0025, 20.0453

Tritanomaly

22.6942, 20.8961, 21.9060

Monochromacy



Original Color

22.3210, 20.9151, 20.3133

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.1886, 21.3821, 22.4124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3210, 20.9151, 20.3133 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(149, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(149, 119, 119)  
}
```

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(149, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 119, 119) }
```

Border

The CSS property to change the border of an element to XYZ 22.3210, 20.9151, 20.3133 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(149, 119, 119) }
```


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

```
.border{ border-color:rgb(149, 119, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 119, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(149, 119,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3210, 20.9151, 20.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 119, 119) }
```

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

```
.background{ background-color: rgb(149,  
119, 119) }
```

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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