

Converting Colors

XYZ(23.6022, 22.9298, 20.6232)

Have a look what the booklet for
XYZ(23.6022, 22.9298, 20.6232)
contains.

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Color

**XYZ(23.5531, 22.8329,
20.6186)**

Conversions

Conversions Part 1

Format	Color
Hex	977E77
RGB	151, 126, 119
RGB Percent	59%, 49%, 47%
CMY	0.4078, 0.5059, 0.5333
CMYK	0.00, 0.17, 0.21, 0.41
HSL	13°, 13%, 53%
HSV	13°, 21%, 59%
XYZ	23.5531, 22.8329, 20.6186
YIQ	132.6770, 17.1470, 3.1230

Conversions

Conversions Part 2

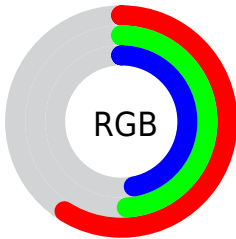
Format	Color
R_{YB}	151, 128, 119
Decimal	9928311
CIE _{Lab}	54.90, 8.45, 7.39
CIE _{LCh}	55, 11.229, 41.167
Yxy	22.8329, 0.3515, 0.3408
Android (android.graphics.Color)	4288118391 (0xFF977E77)
YUV	132.6770, -6.7428, 16.0693
Hunter-Lab	47.7838, 4.3628, 7.8651

Details

The XYZ color **23.5531, 22.8329, 20.6186** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1667, 26.1022, 33.0955**, and the grayscale version is **22.1968, 23.3527, 25.4311**.

A 20% lighter version of the original color is **48.9244, 48.3023, 45.2728**, and **9.0467, 8.4720, 7.1197** is the 20% darker color. If you saturate the color by 10%, you get **21.2970, 19.6585, 15.7424**, and if you desaturate by 10%, it is **26.1324, 26.4228, 26.3140**.

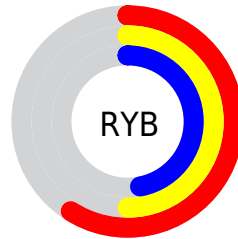
Distribution



Red (59%)

Green (49%)

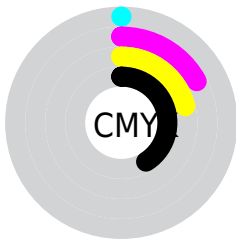
Blue (47%)



Red (59%)

Yellow (50%)

Blue (47%)

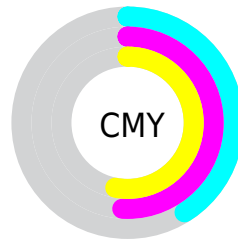


Cyan (0%)

Magenta (17%)

Yellow (21%)

Black (41%)



Cyan (41%)

Magenta (51%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5531, 22.8329, 20.6186 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 23.5531, 22.8329, 20.6186 by changing the saturation by 10% instead.

■ 23.5531, 22.8329,
20.6186

■ 23.5531, 22.8329,
20.6186

263.0359,
266.8656, 267.9587

■ 15.1254, 14.4702,
12.6570

■ 48.7599, 48.1188,
45.3244

■ 8.9943, 8.4484,
7.0648

■ 66.2698, 65.8108,
62.9057

■ 4.7946, 4.3832,
3.4236

■ 87.5377, 87.3813,
84.5306

■ 2.1607, 1.8901,
1.3148

112.9290,
113.2147, 110.6177

■ 0.7219, 0.5424,
0.0739

142.8092,
143.6954, 141.5856

■ 0.0000, 0.0000,
0.0000

177.5434,

179.2079, 177.8526

217.4972,
220.1365, 219.8375

■ 23.5531, 22.8329,
20.6186

■ 23.5531, 22.8329,
20.6186

■ 21.2970, 19.6585,
15.7424

■ 26.1324, 26.4228,
26.3140

■ 19.3494, 16.8813,
11.6460

■ 29.0452, 30.4393,
32.8626

■ 17.6970, 14.4866,
8.2893

■ 32.3038, 34.8970,
40.2979

■ 16.3248, 12.4572,
5.6277

■ 35.9191, 39.8088,
48.6516

■ 15.2165, 10.7749,
3.6117

■ 39.9016, 45.1871,
57.9535

■ 14.3541, 9.4194,
2.1855

■ 44.2614, 51.0439,
68.2323

■ 13.7169, 8.3687,
1.2834

■ 49.0082, 57.3908,
79.5152

■ 13.3076, 7.6695,
0.7790

■ 54.1511, 64.2387,
91.8286

■ 59.6994, 71.5984,
105.1978

Harmonies

Analogous

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



24.1345, 22.8329, 23.5578



23.5531, 22.8329, 20.6186



22.4834, 22.8329, 18.9243

Triad

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



23.5531, 22.8329, 20.6186



19.5157, 22.8329, 22.7144



22.1686, 22.8329, 32.2064

Complementary

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



23.5531, 22.8329, 20.6186



23.1667, 26.1022, 33.0955

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.



20.9389, 22.8329, 31.9255



23.5531, 22.8329, 20.6186



19.4387, 22.8329, 26.2117

Square

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



23.5531, 22.8329, 20.6186



20.1651, 22.8329, 20.0521



19.9505, 22.8329, 29.6491



23.3150, 22.8329, 30.3835

Rectangle

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



23.5531, 22.8329, 20.6186



21.6533, 22.8329, 18.6213



19.9505, 22.8329, 29.6491



21.7507, 22.8329, 32.3591

Sweetspot

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



23.5537, 22.8339, 20.6191



49.3692, 50.8705, 52.8777



24.3987, 21.7889, 29.3322



11.1519, 11.4669, 11.8631



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.5537, 22.8339, 20.6191



40.3709, 38.3529, 32.9870



25.7555, 27.2376, 21.3530



6.3130, 6.4311, 6.5144



11.3394, 6.5612, 0.6688



0.1926, 0.1442, 0.0177

Inverse Universe

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



23.1667, 26.1022, 33.0955



39.5598, 45.1816, 59.0696



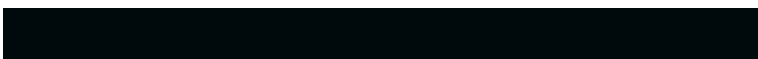
20.9218, 21.6123, 32.3472



6.2699, 6.7971, 7.9105



10.2804, 12.9575, 26.8669



0.1791, 0.2446, 0.4101

Previews

White Background



This preview shows how the XYZ color 23.5531, 22.8329, 20.6186 looks on a white background.

Color Contrast Check

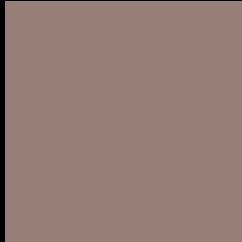
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5531, 22.8329, 20.6186 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 23.5531, 22.8329, 20.6186

Background



This preview shows how black text looks on a background with the XYZ color 23.5531, 22.8329, 20.6186.



This preview shows how white text looks on a background with the XYZ color 23.5531, 22.8329,

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

23.5531, 22.8329, 20.6186

Protanopia

21.7825, 22.8720, 21.6790

Deuteranopia

23.3136, 22.9002, 20.6442



Tritanopia

24.5782, 22.8811, 25.3114

Trichromacy



Original Color

23.5531, 22.8329, 20.6186

Protanomaly

22.2860, 22.7437, 21.3045

Deuteranomaly

23.4968, 22.9947, 20.6528

Tritanomaly

24.1788, 22.9011, 23.5681

Monochromacy



Original Color

23.5531, 22.8329, 20.6186

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.6941, 23.0992, 23.6846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5531, 22.8329, 20.6186 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(151, 126, 119)` looks like.

```
.text, #text, p{  
    color:rgb(151, 126, 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(151, 126, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 126, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.5531, 22.8329, 20.6186 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(151, 126, 119) }
```


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

```
.border{ border-color:rgb(151, 126, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 126, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 126, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 126, 119);  
box-shadow:4px 4px 4px 4px rgb(151, 126,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5531, 22.8329, 20.6186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 126, 119) }
```

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

```
.background{ background-color: rgb(151,  
126, 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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