

Converting Colors

XYZ(23.8046, 23.2672, 24.2864)

Have a look what the booklet for
XYZ(23.8046, 23.2672, 24.2864)
contains.

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Color

**XYZ(23.7811, 23.2531,
24.3540)**

Conversions

Conversions Part 1

Format	Color
Hex	938082
RGB	147, 128, 130
RGB Percent	58%, 50%, 51%
CMY	0.4235, 0.4980, 0.4902
CMYK	0.00, 0.13, 0.12, 0.42
HSL	354°, 8%, 54%
HSV	354°, 13%, 58%
XYZ	23.7811, 23.2531, 24.3540
YIQ	133.9090, 10.6820, 4.6500

Conversions

Conversions Part 2

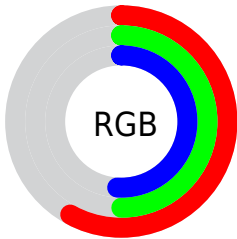
Format	Color
R_{YB}	147, 128, 130
Decimal	9666690
CIE _{Lab}	55.33, 7.60, 1.58
CIE _{LCh}	55, 7.763, 11.761
Yxy	23.2531, 0.3331, 0.3257
Android (android.graphics.Color)	4287856770 (0xFF938082)
YUV	133.9090, -1.9271, 11.4808
Hunter-Lab	48.2215, 3.6422, 3.8109

Details

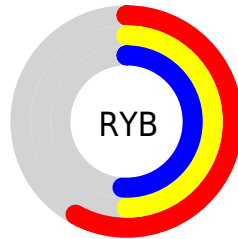
The XYZ color **23.7811, 23.2531, 24.3540** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.4476, 27.5016, 30.8093**, and the grayscale version is **22.6312, 23.8098, 25.9289**.

A 20% lighter version of the original color is **49.1585, 48.8842, 51.6444**, and **9.1051, 8.6728, 8.9787** is the 20% darker color. If you saturate the color by 10%, you get **21.1737, 19.3620, 19.4036**, and if you desaturate by 10%, it is **26.7805, 27.7471, 29.9926**.

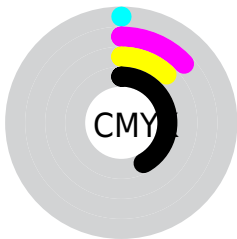
Distribution



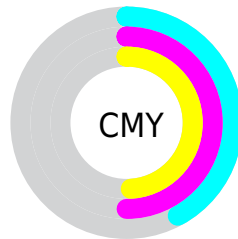
- Red (58%)
- Green (50%)
- Blue (51%)



- Red (58%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (13%)
- Yellow (12%)
- Black (42%)



- Cyan (42%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7811, 23.2531, 24.3540 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 23.7811, 23.2531, 24.3540 by changing the saturation by 10% instead.

■ 23.7811, 23.2531,
24.3540

■ 23.7811, 23.2531,
24.3540

264.1730,
269.0223, 287.9493

■ 15.2952, 14.7805,
15.3818

■ 49.1300, 48.8086,
51.5583

■ 9.1145, 8.6655,
8.9382

■ 66.7237, 66.6603,
70.6275

■ 4.8736, 4.5236,
4.6046

■ 88.0841, 88.4071,
93.8995

■ 2.2073, 1.9706,
1.9626

113.5765,
114.4335, 121.7927

■ 0.7466, 0.5903,
0.5321

143.5662,
145.1238, 154.7258

■ 0.0000, 0.0000,
0.0000

178.4186,

180.8624, 193.1172

218.4991,
222.0338, 237.3855

■ 23.7811, 23.2531,
24.3540

■ 23.7811, 23.2531,
24.3540

■ 21.1737, 19.3620,
19.4036

■ 26.7805, 27.7471,
29.9926

■ 18.9402, 16.0451,
15.1136

■ 30.1852, 32.8647,
36.3429

■ 17.0640, 13.2761,
11.4564

■ 34.0102, 38.6298,
43.4289

■ 15.5265, 11.0257,
8.4021

■ 38.2692, 45.0637,
51.2733

■ 14.3074, 9.2613,
5.9182

■ 42.9752, 52.1870,
59.8976

■ 13.3841, 7.9471,
3.9690

■ 48.1407, 60.0194,
69.3225

■ 12.7312, 7.0422,
2.5152

■ 53.7778, 68.5797,
79.5681

■ 12.3187, 6.4982,
1.5115

■ 59.8980, 77.8861,
90.6535

■ 12.1223, 6.2389,
1.0345

■ 64.7969, 84.5248,
102.0255

Harmonies

Analogous

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



23.7297, 23.2531, 26.8491



23.7811, 23.2531, 24.3540



23.3737, 23.2531, 22.2579

Triad

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



23.7811, 23.2531, 24.3540



21.0051, 23.2531, 21.9082



21.5816, 23.2531, 30.1505

Complementary

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



23.7811, 23.2531, 24.3540



24.4476, 27.5016, 30.8093

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.



20.8760, 23.2531, 28.6479



23.7811, 23.2531, 24.3540



20.5493, 23.2531, 23.8476

Square

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



23.7811, 23.2531, 24.3540



21.7619, 23.2531, 20.9091



20.5027, 23.2531, 26.3085



22.4443, 23.2531, 30.3083

Rectangle

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



23.7811, 23.2531, 24.3540



22.9029, 23.2531, 21.3255



20.5027, 23.2531, 26.3085



21.3187, 23.2531, 29.7816

Sweetspot

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



23.7818, 23.2541, 24.3545



47.3005, 48.7015, 52.4773



24.6253, 23.5461, 30.8511



10.7076, 10.9823, 11.8105



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.



23.7818, 23.2541, 24.3545



40.9214, 39.1519, 40.4595



24.6332, 25.1696, 23.9832



5.8241, 5.8247, 6.1800



10.5142, 5.4107, 0.9229



0.1336, 0.0682, 0.0369

Inverse Universe

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



23.7818, 23.2541, 24.3545



40.9214, 39.1519, 40.4595



23.5062, 25.3701, 31.2622



5.8241, 5.8247, 6.1800



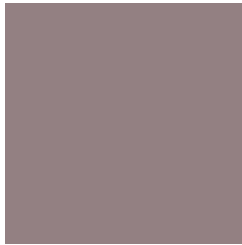
10.5142, 5.4107, 0.9229



0.1336, 0.0682, 0.0369

Previews

White Background



This preview shows how the XYZ color 23.7811, 23.2531, 24.3540 looks on a white background.

Color Contrast Check

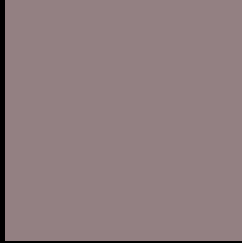
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7811, 23.2531, 24.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

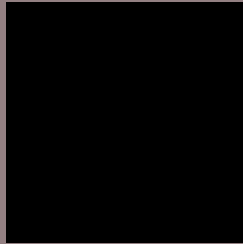
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7811, 23.2531, 24.3540

Background



This preview shows how black text looks on a background with the XYZ color 23.7811, 23.2531, 24.3540.



This preview shows how white text looks on a background with the XYZ color 23.7811, 23.2531,

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

23.7811, 23.2531, 24.3540

Protanopia

22.4078, 23.3194, 25.1499

Deuteranopia

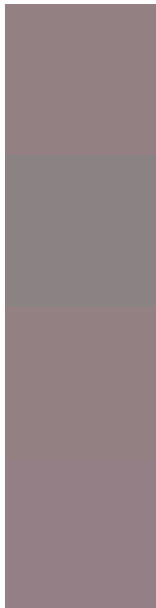
23.6025, 23.1610, 24.3456



Tritanopia

24.3175, 23.2808, 26.8789

Trichromacy



Original Color

23.7811, 23.2531, 24.3540

Protanomaly

22.8605, 23.3603, 24.7768

Deuteranomaly

23.6025, 23.1610, 24.3456

Tritanomaly

24.1052, 23.1959, 25.7610

Monochromacy



Original Color

23.7811, 23.2531, 24.3540

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.1324, 23.6850, 25.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7811, 23.2531, 24.3540 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(147, 128, 130)` looks like.

```
.text, #text, p{  
    color:rgb(147, 128, 130)  
}
```

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(147, 128, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 128, 130) }
```

Border

The CSS property to change the border of an element to XYZ 23.7811, 23.2531, 24.3540 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(147, 128, 130) }
```


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

```
.border{ border-color:rgb(147, 128, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 128, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 128, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 128, 130);  
box-shadow:4px 4px 4px 4px rgb(147, 128,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7811, 23.2531, 24.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 128, 130) }
```

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

```
.background{ background-color: rgb(147,  
128, 130) }
```

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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