

Converting Colors

XYZ(23.4473, 23.8400, 20.6968)

Have a look what the booklet for
XYZ(23.4473, 23.8400, 20.6968)
contains.

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Color

**XYZ(23.4787, 23.7676,
20.8029)**

Conversions

Conversions Part 1

Format	Color
Hex	938377
RGB	147, 131, 119
RGB Percent	58%, 51%, 47%
CMY	0.4235, 0.4863, 0.5333
CMYK	0.00, 0.11, 0.19, 0.42
HSL	26°, 11%, 52%
HSV	26°, 19%, 58%
XYZ	23.4787, 23.7676, 20.8029
YIQ	134.4160, 13.3880, -0.3400

Conversions

Conversions Part 2

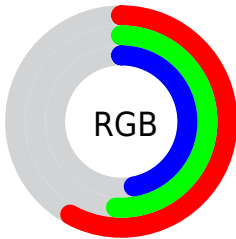
Format	Color
R_{YB}	147, 140, 119
Decimal	9667447
CIE Lab	55.85, 4.01, 8.70
CIE LCh	56, 9.575, 65.257
Yxy	23.7676, 0.3450, 0.3493
Android (android.graphics.Color)	4287857527 (0xFF938377)
YUV	134.4160, -7.6001, 11.0362
Hunter-Lab	48.7520, 0.6485, 8.8269

Details

The XYZ color **23.4787, 23.7676, 20.8029** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.5380, 23.3558, 30.9768**, and the grayscale version is **22.8374, 24.0267, 26.1651**.

A 20% lighter version of the original color is **48.5786, 49.6388, 45.5490**, and **8.9785, 8.9763, 7.2206** is the 20% darker color. If you saturate the color by 10%, you get **21.5808, 21.2769, 16.1464**, and if you desaturate by 10%, it is **25.6059, 26.4979, 26.2101**.

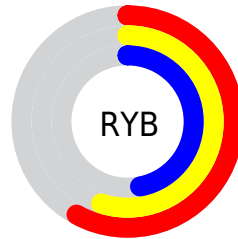
Distribution



Red (58%)

Green (51%)

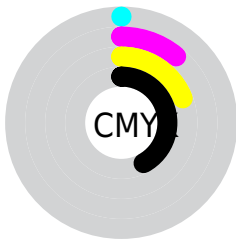
Blue (47%)



Red (58%)

Yellow (55%)

Blue (47%)

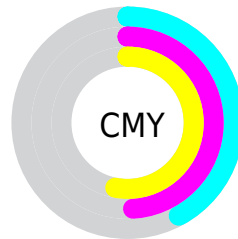


Cyan (0%)

Magenta (11%)

Yellow (19%)

Black (42%)



Cyan (42%)

Magenta (49%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4787, 23.7676, 20.8029 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 23.4787, 23.7676, 20.8029 by changing the saturation by 10% instead.

■ 23.4787, 23.7676,
20.8029

■ 23.4787, 23.7676,
20.8029

262.6639,
271.6434, 268.9757

■ 15.0700, 15.1613,
12.7902

■ 48.6391, 49.6507,
45.6358

■ 8.9552, 8.9327,
7.1552

■ 66.1214, 67.6963,
63.2930

■ 4.7688, 4.6973,
3.4794

■ 87.3591, 89.6571,
85.0022

■ 2.1456, 2.0708,
1.3443

112.7174,
115.9176, 111.1818

■ 0.7138, 0.6481,
0.0977

142.5616,
146.8620, 142.2505

■ 0.0000, 0.0000,
0.0000

177.2573,

182.8749, 178.6266

217.1696,
224.3406, 220.7289

■ 23.4787, 23.7676,
20.8029

■ 23.4787, 23.7676,
20.8029

■ 21.5808, 21.2769,
16.1464

■ 25.6059, 26.4979,
26.2101

■ 19.9019, 19.0159,
12.2055

■ 27.9684, 29.4712,
32.3981

■ 18.4337, 16.9785,
8.9445

■ 30.5745, 32.6948,
39.3971

■ 17.1664, 15.1569,
6.3237

■ 33.4312, 36.1746,
47.2353

■ 16.0894, 13.5432,
4.2996

■ 36.5455, 39.9165,
55.9393

■ 15.1912, 12.1286,
2.8230

■ 39.9239, 43.9261,
65.5349

■ 14.4583, 10.9035,
1.8367

■ 43.5727, 48.2086,
76.0465

■ 13.8635, 9.8524,
1.2112

■ 47.4982, 52.7695,
87.4978

■ 13.8111, 9.7600,
1.1559

■ 51.7061, 57.6138,
99.9114

Harmonies

Analogous

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



24.3448, 23.7676, 22.5674



23.4787, 23.7676, 20.8029



22.3990, 23.7676, 20.3518

Triad

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



23.4787, 23.7676, 20.8029



20.5676, 23.7676, 26.4326



23.8215, 23.7676, 31.0943

Complementary

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



23.4787, 23.7676, 20.8029



21.5380, 23.3558, 30.9768

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.



22.7829, 23.7676, 32.3257



23.4787, 23.7676, 20.8029



20.9224, 23.7676, 29.4994

Square

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



23.4787, 23.7676, 20.8029



20.7405, 23.7676, 23.4478



21.7248, 23.7676, 31.7199



24.5471, 23.7676, 28.4724

Rectangle

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



23.4787, 23.7676, 20.8029



21.7082, 23.7676, 20.8226



21.7248, 23.7676, 31.7199



23.4962, 23.7676, 31.6938

Sweetspot

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



23.4793, 23.7687, 20.8034



47.0492, 48.9650, 50.0314



23.0264, 21.1557, 25.9150



10.6861, 11.1091, 11.2800



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.



23.4793, 23.7687, 20.8034



40.4938, 40.5395, 33.4025



25.4371, 27.6842, 21.4560



5.9930, 6.1998, 6.1213



11.9972, 8.5088, 1.0100



0.1751, 0.1607, 0.0218

Inverse Universe

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



21.5380, 23.3558, 30.9768



36.3387, 39.6549, 55.1735



19.7524, 19.7847, 30.3817



5.7580, 6.1499, 7.3533



7.3380, 7.3707, 24.9670



0.1191, 0.1489, 0.3154

Previews

White Background



This preview shows how the XYZ color 23.4787, 23.7676, 20.8029 looks on a white background.

Color Contrast Check

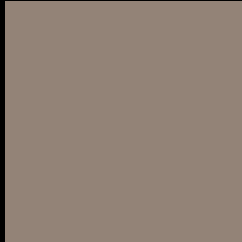
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4787, 23.7676, 20.8029 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 23.4787, 23.7676, 20.8029

Background



This preview shows how black text looks on a background with the XYZ color 23.4787, 23.7676, 20.8029.



This preview shows how white text looks on a background with the XYZ color 23.4787, 23.7676,

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

23.4787, 23.7676, 20.8029

Protanopia

22.4252, 23.6201, 21.1465

Deuteranopia

24.1289, 23.7078, 20.7571



Tritanopia

24.7010, 23.6629, 27.3103

Trichromacy



Original Color

23.4787, 23.7676, 20.8029

Protanomaly

22.7968, 23.6094, 21.1248

Deuteranomaly

23.8901, 23.7812, 20.7839

Tritanomaly

24.1597, 23.6351, 24.7614

Monochromacy



Original Color

23.4787, 23.7676, 20.8029

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.9974, 23.8490, 24.1601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4787, 23.7676, 20.8029 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, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(147, 131, 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(147, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.4787, 23.7676, 20.8029 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, 131, 119) }
```


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

```
.border{ border-color:rgb(147, 131, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 131, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 131, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 131, 119);  
box-shadow:4px 4px 4px 4px rgb(147, 131,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4787, 23.7676, 20.8029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 131, 119) }
```

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

```
.background{ background-color: rgb(147,  
131, 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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