

Converting Colors

XYZ(23.7618, 26.3777, 22.3816)

Have a look what the booklet for
XYZ(23.7618, 26.3777, 22.3816)
contains.

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Color

**XYZ(23.8165, 26.4533,
22.2631)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8F7A
RGB	138, 143, 122
RGB Percent	54%, 56%, 48%
CMY	0.4588, 0.4392, 0.5216
CMYK	0.03, 0.00, 0.15, 0.44
HSL	74°, 9%, 52%
HSV	74°, 15%, 56%
XYZ	23.8165, 26.4533, 22.2631
YIQ	139.1110, 3.7610, -7.5910

Conversions

Conversions Part 2

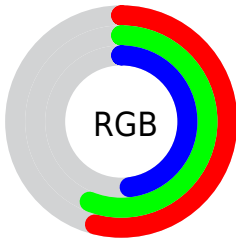
Format	Color
RYB	122, 143, 127
Decimal	9080698
CIELab	58.46, -5.75, 10.56
CIELCh	58, 12.025, 118.551
Yxy	26.4533, 0.3284, 0.3647
Android (android.graphics.Color)	4287270778 (0xFF8A8F7A)
YUV	139.1110, -8.4357, -0.9743
Hunter-Lab	51.4328, -7.3510, 10.3388

Details

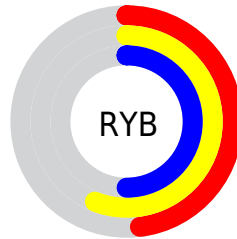
The XYZ color **23.8165, 26.4533, 22.2631** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.6709, 20.4150, 28.8390**, and the grayscale version is **24.6144, 25.8962, 28.2010**.

A 20% lighter version of the original color is **49.0921, 54.0649, 47.8925**, and **9.1415, 10.3844, 7.8259** is the 20% darker color. If you saturate the color by 10%, you get **22.4403, 25.8396, 17.9088**, and if you desaturate by 10%, it is **25.3422, 27.1306, 27.3061**.

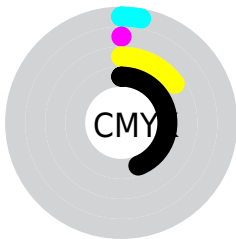
Distribution



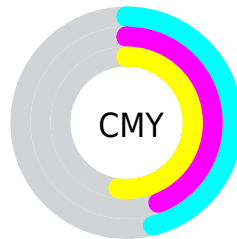
- Red (54%)
- Green (56%)
- Blue (48%)



- Red (48%)
- Yellow (56%)
- Blue (50%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)



- Cyan (46%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8165, 26.4533, 22.2631 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 23.8165, 26.4533, 22.2631 by changing the saturation by 10% instead.

■ 23.8165, 26.4533,
22.2631

■ 23.8165, 26.4533,
22.2631

264.3492,
285.0003, 276.9154

■ 15.3216, 17.1631,
13.8502

■ 49.1874, 54.0053,
48.0882

■ 9.1332, 10.3508,
7.8790

■ 66.7942, 73.0359,
66.3375

■ 4.8859, 5.6322,
3.9309

■ 88.1688, 96.0821,
88.7026

■ 2.2146, 2.6227,
1.5875

113.6768,
123.5282, 115.6022

■ 0.7504, 0.9381,
0.2819

143.6835,
155.7587, 147.4547

■ 0.0000, 0.0000,
0.0000

178.5542,

193.1579, 184.6787

218.6543,
236.1103, 227.6928

■ 23.8165, 26.4533,
22.2631

■ 23.8165, 26.4533,
22.2631

■ 22.4403, 25.8396,
17.9088

■ 25.3422, 27.1306,
27.3061

■ 21.2056, 25.2837,
14.2118

■ 27.0209, 27.8703,
33.0643

■ 20.1070, 24.7841,
11.1403

■ 28.8583, 28.6755,
39.5646

■ 19.1377, 24.3383,
8.6598

■ 30.8593, 29.5483,
46.8323

■ 18.2901, 23.9432,
6.7319

■ 33.0289, 30.4906,
54.8912

■ 17.5562, 23.5954,
5.3141

■ 35.3713, 31.5042,
63.7644

■ 16.9263, 23.2913,
4.3575

■ 37.8909, 32.5908,
73.4737

■ 16.3884, 23.0258,
3.7989

■ 40.5919, 33.7522,
84.0404

■ 16.1219, 22.8932,
3.5691

■ 43.4783, 34.9898,
95.4848

Harmonies

Analogous

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



25.2146, 26.4533, 21.4465



23.8165, 26.4533, 22.2631



22.8085, 26.4533, 24.7837

Triad

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



23.8165, 26.4533, 22.2631



23.6973, 26.4533, 36.2737



28.0751, 26.4533, 29.0082

Complementary

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



23.8165, 26.4533, 22.2631



20.6709, 20.4150, 28.8390

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.



27.6317, 26.4533, 33.2353



23.8165, 26.4533, 22.2631



25.0717, 26.4533, 37.6748

Square

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



23.8165, 26.4533, 22.2631



22.7417, 26.4533, 32.8469



26.5180, 26.4533, 36.5129



27.7079, 26.4533, 25.1057

Rectangle

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



23.8165, 26.4533, 22.2631



22.4739, 26.4533, 27.2264



26.5180, 26.4533, 36.5129



28.0156, 26.4533, 30.4396

Sweetspot

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



23.8172, 26.4545, 22.2637



45.5547, 48.6606, 49.4825



22.4179, 22.3985, 21.5545



10.4009, 11.1387, 11.1929



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.8172, 26.4545, 22.2637



41.7095, 46.9540, 36.8473



22.1782, 25.6095, 22.1870



5.7157, 6.2216, 5.7890



14.2732, 20.2507, 3.1565



0.1560, 0.2037, 0.0311

Inverse Universe

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



20.6709, 20.4150, 28.8390



34.8343, 33.7555, 51.2175



22.3006, 21.2551, 28.9153



5.2424, 5.3132, 6.7780



4.9855, 2.0637, 23.1127



0.0647, 0.0285, 0.2218

Previews

White Background



This preview shows how the XYZ color 23.8165, 26.4533, 22.2631 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 23.8165, 26.4533, 22.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

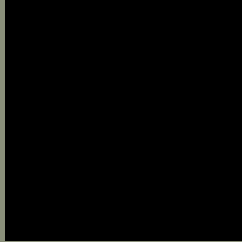
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

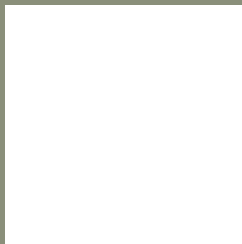
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8165, 26.4533, 22.2631

Background



This preview shows how black text looks on a background with the XYZ color 23.8165, 26.4533, 22.2631.



This preview shows how white text looks on a background with the XYZ color 23.8165, 26.4533,

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

23.8165, 26.4533, 22.2631

Protanopia

25.0420, 26.4325, 21.8713

Deuteranopia

26.7993, 26.2568, 22.7244



Tritanopia

25.8930, 26.4180, 32.5886

Trichromacy



Original Color

23.8165, 26.4533, 22.2631

Protanomaly

24.4777, 26.3595, 21.8869

Deuteranomaly

25.6125, 26.2824, 22.4620

Tritanomaly

25.0962, 26.3123, 28.5670

Monochromacy



Original Color

23.8165, 26.4533, 22.2631

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.2592, 25.9386, 25.9184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8165, 26.4533, 22.2631 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(138, 143, 122)` looks like.

```
.text, #text, p{  
    color:rgb(138, 143, 122)  
}
```

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(138, 143, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 143, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.8165, 26.4533, 22.2631 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(138, 143, 122) }
```


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

```
.border{ border-color:rgb(138, 143, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 143, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(138, 143,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8165, 26.4533, 22.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 143, 122) }
```

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

```
.background{ background-color: rgb(138,  
143, 122) }
```

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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