

Converting Colors

XYZ(22.8812, 24.1804, 23.4322)

Have a look what the booklet for
XYZ(22.8812, 24.1804, 23.4322)
contains.

XYZ(22.9760, 24.2635, 23.5510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9760, 24.2635,
23.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	8A877F
RGB	138, 135, 127
RGB Percent	54%, 53%, 50%
CMY	0.4588, 0.4706, 0.5020
CMYK	0.00, 0.02, 0.08, 0.46
HSL	44°, 4%, 52%
HSV	44°, 8%, 54%
XYZ	22.9760, 24.2635, 23.5510
YIQ	134.9850, 4.3560, -1.8520

Conversions

Conversions Part 2

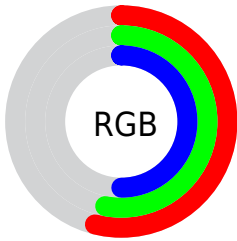
Format	Color
R_{YB}	131, 138, 127
Decimal	9078655
CIE Lab	56.35, -0.39, 4.69
CIE LCh	56, 4.704, 94.718
Yxy	24.2635, 0.3246, 0.3428
Android (android.graphics.Color)	4287268735 (0xFF8A877F)
YUV	134.9850, -3.9366, 2.6442
Hunter-Lab	49.2580, -2.9416, 6.1331

Details

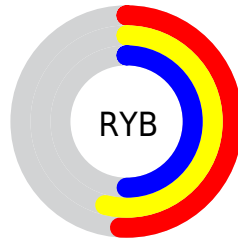
The XYZ color **22.9760, 24.2635, 23.5510** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.3225, 22.3120, 27.2280**, and the grayscale version is **23.0371, 24.2368, 26.3939**.

A 20% lighter version of the original color is **47.7073, 50.3381, 50.3818**, and **8.6481, 9.1218, 8.5126** is the 20% darker color. If you saturate the color by 10%, you get **21.6223, 22.8979, 18.9623**, and if you desaturate by 10%, it is **24.4728, 25.7175, 28.7959**.

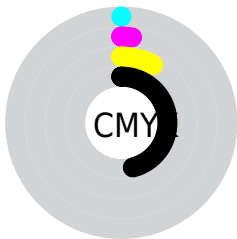
Distribution



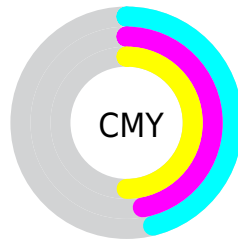
- Red (54%)
- Green (53%)
- Blue (50%)



- Red (51%)
- Yellow (54%)
- Blue (50%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9760, 24.2635, 23.5510 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 22.9760, 24.2635, 23.5510 by changing the saturation by 10% instead.

■ 22.9760, 24.2635,
23.5510

■ 22.9760, 24.2635,
23.5510

260.1393,
274.1500, 283.7556

■ 14.6964, 15.5292,
14.7918

■ 47.8209, 50.4599,
50.2311

■ 8.6915, 9.1916,
8.5284

■ 65.1168, 68.6907,
68.9891

■ 4.5960, 4.8664,
4.3423

■ 86.1489, 90.8558,
91.9170

■ 2.0445, 2.1691,
1.8149

111.2826,
117.3397, 119.4335

■ 0.6588, 0.7031,
0.4378

140.8831,
148.5266, 151.9571

■ 0.0000, 0.0000,
0.0000

175.3158,

184.8011, 189.9063

214.9461,
226.5474, 233.6996

■ 22.9760, 24.2635,
23.5510

■ 22.9760, 24.2635,
23.5510

■ 21.6223, 22.8979,
18.9623

■ 24.4728, 25.7175,
28.7959

■ 20.4045, 21.6153,
15.0018

■ 26.1157, 27.2591,
34.7201

■ 19.3178, 20.4142,
11.6422

■ 27.9098, 28.8915,
41.3477

■ 18.3563, 19.2919,
8.8531

■ 29.8595, 30.6167,
48.7010

■ 17.5135, 18.2456,
6.6017

■ 31.9693, 32.4367,
56.8014

■ 16.7824, 17.2720,
4.8520

■ 34.2429, 34.3534,
65.6693

■ 16.1552, 16.3677,
3.5631

■ 36.6845, 36.3686,
75.3245

■ 15.6226, 15.5287,
2.6880

■ 39.2977, 38.4841,
85.7859

■ 15.1656, 14.7471,
2.1276

■ 42.0861, 40.7017,
97.0718

Harmonies

Analogous

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



23.5102, 24.2635, 23.8077



22.9760, 24.2635, 23.5510



22.4725, 24.2635, 24.0378

Triad

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



22.9760, 24.2635, 23.5510



22.2146, 24.2635, 28.1577



24.0182, 24.2635, 27.7158

Complementary

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



22.9760, 24.2635, 23.5510



21.3225, 22.3120, 27.2280

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.



23.6612, 24.2635, 28.9522



22.9760, 24.2635, 23.5510



22.6190, 24.2635, 29.2142

Square

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



22.9760, 24.2635, 23.5510



22.0373, 24.2635, 26.6654



23.1477, 24.2635, 29.5105



24.1174, 24.2635, 26.1738

Rectangle

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



22.9760, 24.2635, 23.5510



22.2203, 24.2635, 24.7300



23.1477, 24.2635, 29.5105



23.9241, 24.2635, 28.1828

Sweetspot

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



22.9767, 24.2646, 23.5515



42.0325, 44.2695, 46.8509



22.1081, 22.1972, 24.2798



9.4360, 9.9374, 10.5375



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.9767, 24.2646, 23.5515



39.9429, 42.2165, 39.6000



23.0108, 24.9119, 23.6747



5.3177, 5.6183, 5.3566



13.8351, 13.4046, 1.8582



0.1041, 0.1135, 0.0164

Inverse Universe

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



21.3225, 22.3120, 27.2280



36.2618, 37.8715, 47.7819



21.2888, 21.7113, 27.1138



4.8784, 5.0997, 6.3331



4.8411, 2.9525, 22.3604



0.0430, 0.0413, 0.1522

Previews

White Background



This preview shows how the XYZ color 22.9760, 24.2635, 23.5510 looks on a white background.

Color Contrast Check

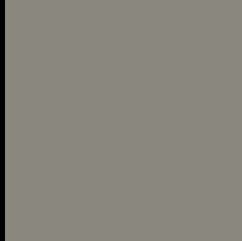
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9760, 24.2635, 23.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

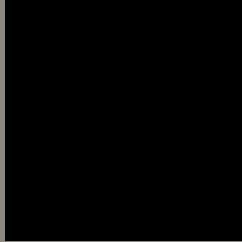
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

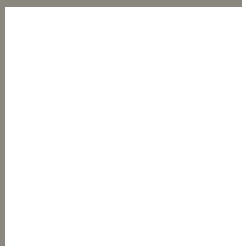
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9760, 24.2635, 23.5510

Background



This preview shows how black text looks on a background with the XYZ color 22.9760, 24.2635, 23.5510.



This preview shows how white text looks on a background with the XYZ color 22.9760, 24.2635,

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

22.9760, 24.2635, 23.5510

Protanopia

23.1422, 24.3492, 23.5588

Deuteranopia

24.6414, 24.1031, 23.7757



Tritanopia

24.1607, 24.3337, 29.4101

Trichromacy



Original Color

22.9760, 24.2635, 23.5510

Protanomaly

23.1422, 24.3492, 23.5588

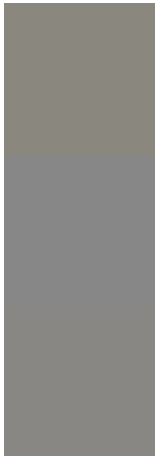
Deuteranomaly

24.0016, 24.1720, 23.8227

Tritanomaly

23.6879, 24.3453, 27.1175

Monochromacy



Original Color

22.9760, 24.2635, 23.5510

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9822, 24.2281, 25.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9760, 24.2635, 23.5510 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, 135, 127)` looks like.

```
.text, #text, p{  
    color:rgb(138, 135, 127)  
}
```

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, 135, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 135, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.9760, 24.2635, 23.5510 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, 135, 127) }
```


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

```
.border{ border-color:rgb(138, 135, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 135, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 135, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 135, 127);  
box-shadow:4px 4px 4px 4px rgb(138, 135,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9760, 24.2635, 23.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 135, 127) }
```

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

```
.background{ background-color: rgb(138,  
135, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor