

Converting Colors

XYZ(22.4960, 24.7978, 20.3187)

Have a look what the booklet for
XYZ(22.4960, 24.7978, 20.3187)
contains.

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Color

**XYZ(22.4527, 24.6956,
20.4130)**

Conversions

Conversions Part 1

Format	Color
Hex	888A75
RGB	136, 138, 117
RGB Percent	53%, 54%, 46%
CMY	0.4667, 0.4588, 0.5412
CMYK	0.01, 0.00, 0.15, 0.46
HSL	66°, 8%, 50%
HSV	66°, 15%, 54%
XYZ	22.4527, 24.6956, 20.4130
YIQ	135.0080, 5.5490, -6.9550

Conversions

Conversions Part 2

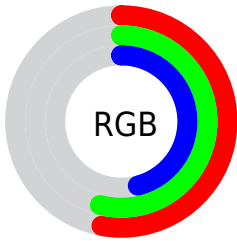
Format	Color
RYB	117, 138, 119
Decimal	8948341
CIELab	56.78, -4.61, 11.01
CIELCh	57, 11.938, 112.716
Yxy	24.6956, 0.3323, 0.3655
Android (android.graphics.Color)	4287138421 (0xFF888A75)
YUV	135.0080, -8.8779, 0.8700
Hunter-Lab	49.6947, -6.3170, 10.4318

Details

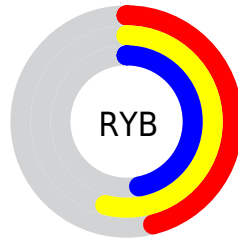
The XYZ color **22.4527, 24.6956, 20.4130** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.5576, 18.4802, 26.6351**, and the grayscale version is **23.0631, 24.2642, 26.4237**.

A 20% lighter version of the original color is **46.7785, 50.9450, 44.9040**, and **8.4017, 9.3876, 6.9994** is the 20% darker color. If you saturate the color by 10%, you get **21.4882, 24.2861, 16.4400**, and if you desaturate by 10%, it is **23.5408, 25.1565, 25.0173**.

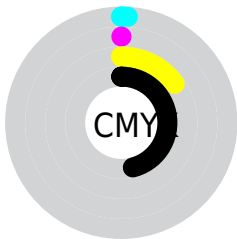
Distribution



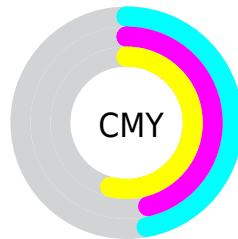
- Red (53%)
- Green (54%)
- Blue (46%)



- Red (46%)
- Yellow (54%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (15%)
- Black (46%)



- Cyan (47%)
- Magenta (46%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4527, 24.6956, 20.4130 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 22.4527, 24.6956, 20.4130 by changing the saturation by 10% instead.

■ 22.4527, 24.6956,
20.4130

■ 22.4527, 24.6956,
20.4130

257.4895,
276.3186, 266.8200

■ 14.3084, 15.8504,
12.5086

■ 46.9664, 51.1630,
44.9766

■ 8.4186, 9.4184,
6.9643

■ 64.0665, 69.5539,
62.4728

■ 4.4180, 5.0151,
3.3617

■ 84.8825, 91.8956,
84.0033

■ 1.9412, 2.2561,
1.2821

109.7798,
118.5724, 109.9868

■ 0.6006, 0.7503,
0.0471

139.1239,
149.9687, 140.8416

■ 0.0000, 0.0000,
0.0000

173.2799,

186.4689, 176.9864

212.6133,
228.4574, 218.8397

■ 22.4527, 24.6956,
20.4130

■ 22.4527, 24.6956,
20.4130

■ 21.4882, 24.2861,
16.4400

■ 23.5408, 25.1565,
25.0173

■ 20.6400, 23.9225,
13.0693

■ 24.7555, 25.6676,
30.2770

■ 19.9033, 23.6039,
10.2718

■ 26.1020, 26.2316,
36.2171

■ 19.2720, 23.3277,
8.0156

■ 27.5847, 26.8505,
42.8607

■ 18.7394, 23.0913,
6.2656

■ 29.2079, 27.5258,
50.2297

■ 18.2980, 22.8917,
4.9826

■ 30.9754, 28.2592,
58.3453

■ 17.9392, 22.7255,
4.1215

■ 32.8912, 29.0522,
67.2275

■ 17.6511, 22.5878,
3.6190

■ 34.9589, 29.9063,
76.8959

■ 17.5230, 22.5259,
3.4244

■ 37.1822, 30.8230,
87.3692

Harmonies

Analogous

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



23.8138, 24.6956, 19.9723



22.4527, 24.6956, 20.4130



21.4042, 24.6956, 22.5030

Triad

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



22.4527, 24.6956, 20.4130



21.8862, 24.6956, 33.4696



26.2322, 24.6956, 27.8741

Complementary

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



22.4527, 24.6956, 20.4130



18.5576, 18.4802, 26.6351

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.



25.6698, 24.6956, 31.8115



22.4527, 24.6956, 20.4130



23.1343, 24.6956, 35.2432

Square

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



22.4527, 24.6956, 20.4130



21.0863, 24.6956, 29.9633



24.5226, 24.6956, 34.6082



26.0321, 24.6956, 24.0331

Rectangle

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



22.4527, 24.6956, 20.4130



21.0055, 24.6956, 24.6730



24.5226, 24.6956, 34.6082



26.1253, 24.6956, 29.2346

Sweetspot

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



22.4534, 24.6967, 20.4135



41.5152, 44.3498, 44.1920



20.2601, 19.8226, 19.5883



9.2842, 9.9359, 9.7944



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.



22.4534, 24.6967, 20.4135



39.0142, 43.2914, 33.6451



20.8677, 23.8792, 20.3393



5.3848, 5.8211, 5.3922



16.0717, 20.6553, 3.1398



0.1131, 0.1405, 0.0212

Inverse Universe

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



18.5576, 18.4802, 26.6351



30.8962, 30.3371, 46.6104



20.0409, 19.2449, 26.7046



4.8161, 4.9136, 6.3004



4.3669, 1.7653, 22.1563



0.0340, 0.0143, 0.1474

Previews

White Background



This preview shows how the XYZ color 22.4527, 24.6956, 20.4130 looks on a white background.

Color Contrast Check

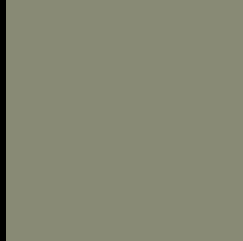
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4527, 24.6956, 20.4130 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

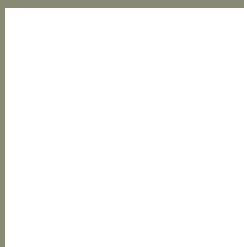
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4527, 24.6956, 20.4130

Background



This preview shows how black text looks on a background with the XYZ color 22.4527, 24.6956, 20.4130.



This preview shows how white text looks on a background with the XYZ color 22.4527, 24.6956,

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

22.4527, 24.6956, 20.4130

Protanopia

23.2842, 24.7089, 20.0651

Deuteranopia

25.0966, 24.6085, 20.5667



Tritanopia

24.4511, 24.6700, 30.2611

Trichromacy



Original Color

22.4527, 24.6956, 20.4130

Protanomaly

22.9133, 24.7277, 20.0883

Deuteranomaly

24.1895, 24.7478, 20.6414

Tritanomaly

23.6846, 24.5662, 26.4151

Monochromacy



Original Color

22.4527, 24.6956, 20.4130

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.6921, 24.3177, 23.9199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4527, 24.6956, 20.4130 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(136, 138, 117)` looks like.

```
.text, #text, p{  
    color:rgb(136, 138, 117)  
}
```

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(136, 138, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 138, 117) }
```

Border

The CSS property to change the border of an element to XYZ 22.4527, 24.6956, 20.4130 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(136, 138, 117) }
```


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

```
.border{ border-color:rgb(136, 138, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 138, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 138, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 138, 117);  
box-shadow:4px 4px 4px 4px rgb(136, 138,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4527, 24.6956, 20.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 138, 117) }
```

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

```
.background{ background-color: rgb(136,  
138, 117) }
```

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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