

Converting Colors

XYZ(22.1687, 19.5357, 17.6441)

Have a look what the booklet for
XYZ(22.1687, 19.5357, 17.6441)
contains.

XYZ(22.2640, 19.5845, 17.6457)	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(22.2640, 19.5845,
17.6457)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6F6F
RGB	156, 111, 111
RGB Percent	61%, 44%, 44%
CMY	0.3882, 0.5647, 0.5647
CMYK	0.00, 0.29, 0.29, 0.39
HSL	0°, 19%, 52%
HSV	0°, 29%, 61%
XYZ	22.2640, 19.5845, 17.6457
YIQ	124.4550, 26.8200, 9.5400

Conversions

Conversions Part 2

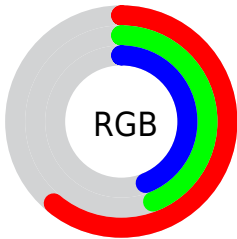
Format	Color
R_{YB}	156, 111, 111
Decimal	10252143
CIE _{Lab}	51.36, 17.86, 7.10
CIE _{LCh}	51, 19.217, 21.696
Yxy	19.5845, 0.3742, 0.3292
Android (android.graphics.Color)	4288442223 (0xFF9C6F6F)
YUV	124.4550, -6.6333, 27.6650
Hunter-Lab	44.2544, 12.3567, 7.3372

Details

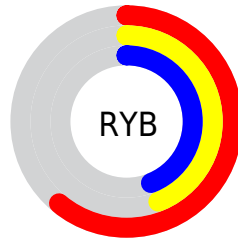
The XYZ color **22.2640, 19.5845, 17.6457** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4444, 29.5559, 35.8691**, and the grayscale version is **19.3258, 20.3322, 22.1418**.

A 20% lighter version of the original color is **46.5720, 42.6876, 40.4353**, and **8.2682, 6.7975, 5.5789** is the 20% darker color. If you saturate the color by 10%, you get **19.9230, 16.1591, 12.9912**, and if you desaturate by 10%, it is **25.0534, 23.6663, 23.1902**.

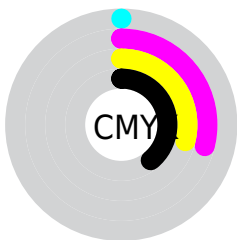
Distribution



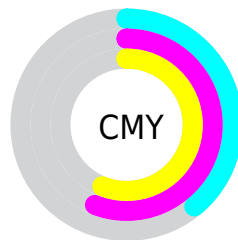
- Red (61%)
- Green (44%)
- Blue (44%)



- Red (61%)
- Yellow (44%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (29%)
- Black (39%)



- Cyan (39%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2640, 19.5845, 17.6457 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 22.2640, 19.5845, 17.6457 by changing the saturation by 10% instead.

■ 22.2640, 19.5845,
17.6457

■ 22.2640, 19.5845,
17.6457

256.5284,
249.6568, 251.0351

■ 14.1687, 12.0934,
10.5291

■ 46.6576, 42.7195,
40.2384

■ 8.3206, 6.8073,
5.6410

■ 63.6865, 59.1321,
56.5516

■ 4.3543, 3.3419,
2.5628

■ 84.4241, 79.2873,
76.7675

■ 1.9045, 1.3127,
0.8732

■ 109.2356,
103.5696, 101.3045

■ 0.5794, 0.1510,
0.0000

138.4865,
132.3633, 130.5812

■ 0.0000, 0.0000,
0.0000

172.5420,

166.0528, 165.0162

211.7675,
205.0225, 205.0280

■ 22.2640, 19.5845,
17.6457

■ 22.2640, 19.5845,
17.6457

■ 19.9230, 16.1591,
12.9912

■ 25.0534, 23.6663,
23.1902

■ 18.0055, 13.3532,
9.1793

■ 28.3110, 28.4331,
29.6664

■ 16.4866, 11.1306,
6.1600

■ 32.0577, 33.9156,
37.1148

■ 15.3383, 9.4503,
3.8774

■ 36.3124, 40.1414,
45.5731

■ 14.5290, 8.2660,
2.2686

■ 41.0931, 47.1368,
55.0772

■ 14.0216, 7.5234,
1.2601

■ 46.4169, 54.9269,
65.6610

■ 13.7399, 7.1112,
0.7001

■ 52.3001, 63.5357,
77.3570

■ 13.7105, 7.0682,
0.6417

■ 58.7585, 72.9858,
90.1963

■ 65.8069, 83.2995,
104.2087

Harmonies

Analogous

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



22.5163, 19.5845, 22.8897



22.2640, 19.5845, 17.6457



21.0005, 19.5845, 14.0499

Triad

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



22.2640, 19.5845, 17.6457



15.8622, 19.5845, 15.4133



18.0858, 19.5845, 33.6062

Complementary

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



22.2640, 19.5845, 17.6457



24.4444, 29.5559, 35.8691

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.



16.4164, 19.5845, 30.7554



22.2640, 19.5845, 17.6457



15.1917, 19.5845, 19.8318

Square

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



22.2640, 19.5845, 17.6457



17.2813, 19.5845, 12.9239



15.3873, 19.5845, 25.4814



20.0145, 19.5845, 32.7484

Rectangle

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



22.2640, 19.5845, 17.6457



19.7995, 19.5845, 12.7710



15.3873, 19.5845, 25.4814



17.4777, 19.5845, 33.0345

Sweetspot

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



22.2645, 19.5854, 17.6461



51.2100, 51.3341, 53.4634



25.3957, 20.8373, 34.1361



11.0807, 11.0211, 11.3911



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.2645, 19.5854, 17.6461



37.4414, 31.1869, 26.0920



25.0359, 25.1281, 18.5699



6.6331, 6.6462, 6.9189



11.2932, 5.8220, 0.5285



0.2019, 0.1041, 0.0095

Inverse Universe

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



24.4444, 29.5559, 35.8691



42.1006, 52.4971, 65.0408



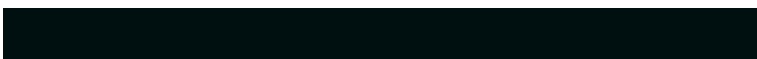
21.0127, 22.6923, 34.7252



6.8218, 7.5094, 8.4966



14.7338, 21.5591, 29.2920



0.2635, 0.3855, 0.5238

Previews

White Background



This preview shows how the XYZ color 22.2640, 19.5845, 17.6457 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 22.2640, 19.5845, 17.6457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

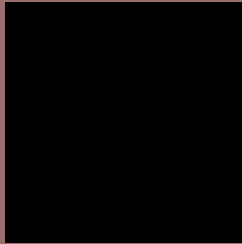
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2640, 19.5845, 17.6457

Background



This preview shows how black text looks on a background with the XYZ color 22.2640, 19.5845, 17.6457.



This preview shows how white text looks on a background with the XYZ color 22.2640, 19.5845,

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

22.2640, 19.5845, 17.6457

Protanopia

18.7746, 19.6390, 19.6308

Deuteranopia

19.9404, 19.5716, 17.4786



Tritanopia

22.7506, 19.6280, 19.7290

Trichromacy



Original Color

22.2640, 19.5845, 17.6457

Protanomaly

19.8895, 19.5130, 18.9378

Deuteranomaly

20.6223, 19.4070, 17.4109

Tritanomaly

22.5751, 19.5578, 18.8048

Monochromacy



Original Color

22.2640, 19.5845, 17.6457

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.0799, 19.7598, 20.2085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2640, 19.5845, 17.6457 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(156, 111, 111)` looks like.

```
.text, #text, p{  
    color:rgb(156, 111, 111)  
}
```

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(156, 111, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 111, 111) }
```

Border

The CSS property to change the border of an element to XYZ 22.2640, 19.5845, 17.6457 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(156, 111, 111) }
```


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

```
.border{ border-color:rgb(156, 111, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 111, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 111, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 111, 111);  
box-shadow:4px 4px 4px 4px rgb(156, 111,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2640, 19.5845, 17.6457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 111, 111) }
```

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

```
.background{ background-color: rgb(156,  
111, 111) }
```

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