

Converting Colors

XYZ(19.6092, 22.6010, 22.3513)

Have a look what the booklet for
XYZ(19.6092, 22.6010, 22.3513)
contains.

XYZ(19.6382, 22.5651, 22.3892)	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(19.6382, 22.5651,
22.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	75877C
RGB	117, 135, 124
RGB Percent	46%, 53%, 49%
CMY	0.5412, 0.4706, 0.5137
CMYK	0.13, 0.00, 0.08, 0.47
HSL	143°, 7%, 49%
HSV	143°, 13%, 53%
XYZ	19.6382, 22.5651, 22.3892
YIQ	128.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

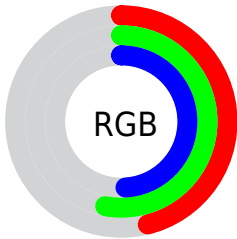
Format	Color
R_{YB}	117, 130, 135
Decimal	7702396
CIE Lab	54.62, -8.81, 3.71
CIE LCh	55, 9.563, 157.147
Yxy	22.5651, 0.3040, 0.3493
Android (android.graphics.Color)	4285892476 (0xFF75877C)
YUV	128.3640, -2.1515, -9.9662
Hunter-Lab	47.5027, -9.3358, 5.3071

Details

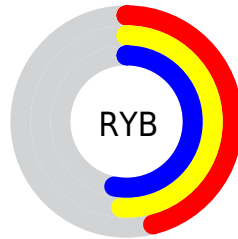
The XYZ color **19.6382, 22.5651, 22.3892** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.2501, 19.4326, 23.1068**, and the grayscale version is **20.6538, 21.7294, 23.6633**.

A 20% lighter version of the original color is **42.1819, 47.5360, 48.0264**, and **6.9727, 8.2702, 7.8854** is the 20% darker color. If you saturate the color by 10%, you get **17.4534, 21.4972, 19.6763**, and if you desaturate by 10%, it is **22.1296, 23.7872, 25.3453**.

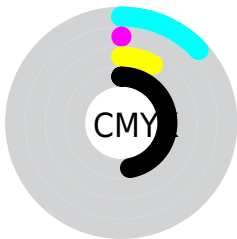
Distribution



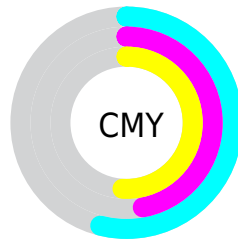
- Red (46%)
- Green (53%)
- Blue (49%)



- Red (46%)
- Yellow (51%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (54%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6382, 22.5651, 22.3892 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 19.6382, 22.5651, 22.3892 by changing the saturation by 10% instead.

■ 19.6382, 22.5651,
22.3892

■ 19.6382, 22.5651,
22.3892

242.8208,
265.4833, 277.5916

■ 12.2391, 14.2727,
13.9421

■ 42.3184, 47.6782,
48.2988

■ 6.9801, 8.3106,
7.9421

■ 58.3301, 65.2678,
66.5985

■ 3.4959, 4.2943,
3.9707

■ 77.9434, 86.7251,
89.0193

■ 1.4211, 1.8395,
1.6093

101.5236,
112.4347, 115.9800

■ 0.2712, 0.5116,
0.2974

129.4361,
142.7809, 147.8991

■ 0.0000, 0.0000,
0.0000

162.0462,

178.1482, 185.1950

199.7193,
218.9209, 228.2863

■ 19.6382, 22.5651,
22.3892

■ 19.6382, 22.5651,
22.3892

■ 17.4534, 21.4972,
19.6763

■ 22.1296, 23.7872,
25.3453

■ 15.5611, 20.5746,
17.1991

■ 24.9371, 25.1666,
28.5491

■ 13.9488, 19.7915,
14.9516


■ 28.0724, 26.7096,
32.0067

■ 12.6025, 19.1408,
12.9272


■ 31.5457, 28.4215,
35.7236


■ 11.5068, 18.6149,
11.1189


■ 35.3670, 30.3073,
39.7052


 10.6447, 18.2050,
9.5193


 39.5458, 32.3718,
43.9567


 9.9970, 17.9013,
8.1205

 44.0913, 34.6195,
48.4830

 9.5406, 17.6923,
6.9142

 49.0121, 37.0550,
53.2891

 9.2954, 17.5812,
6.2110

 54.3167, 39.6825,
58.3797

Harmonies

Analogous

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



20.2499, 22.5651, 20.2381



19.6382, 22.5651, 22.3892



19.5037, 22.5651, 25.2968

Triad

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



19.6382, 22.5651, 22.3892



21.6999, 22.5651, 30.7727



23.0993, 22.5651, 21.2370

Complementary

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



19.6382, 22.5651, 22.3892



20.2501, 19.4326, 23.1068

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.



23.5162, 22.5651, 23.8564



19.6382, 22.5651, 22.3892



22.6913, 22.5651, 29.4787

Square

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



19.6382, 22.5651, 22.3892



20.6720, 22.5651, 30.2994



23.3645, 22.5651, 26.8871



22.2421, 22.5651, 19.6118

Rectangle

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



19.6382, 22.5651, 22.3892



19.6986, 22.5651, 27.3067



23.3645, 22.5651, 26.8871



23.2968, 22.5651, 22.0218

Sweetspot

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



19.6388, 22.5661, 22.3897



39.2715, 42.4214, 44.9713



20.7928, 23.2103, 20.2141



9.0211, 9.7881, 10.3288



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.



19.6388, 22.5661, 22.3897



33.9276, 39.8025, 38.5792



20.2276, 22.8016, 25.4902



4.6857, 5.2325, 5.3562



8.5773, 16.2138, 5.7598



0.0331, 0.0575, 0.0378

Inverse Universe

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



20.2501, 19.4326, 23.1068



35.2433, 33.0575, 40.1222



19.6895, 19.2084, 20.1545



4.7832, 4.7330, 5.4706



10.6425, 5.3213, 7.9557



0.0405, 0.0199, 0.0465

Previews

White Background



This preview shows how the XYZ color 19.6382, 22.5651, 22.3892 looks on a white background.

Color Contrast Check

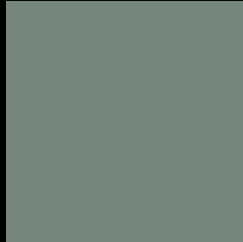
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6382, 22.5651, 22.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

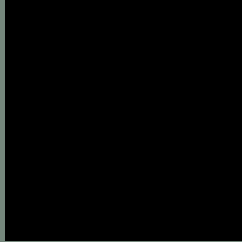
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6382, 22.5651, 22.3892

Background



This preview shows how black text looks on a background with the XYZ color 19.6382, 22.5651, 22.3892.



This preview shows how white text looks on a background with the XYZ color 19.6382, 22.5651,

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

19.6382, 22.5651, 22.3892

Protanopia

21.4255, 22.4966, 21.3022

Deuteranopia

22.9038, 22.4478, 22.8644



Tritanopia

20.9549, 22.4788, 29.2210

Trichromacy



Original Color

19.6382, 22.5651, 22.3892

Protanomaly

20.6662, 22.4969, 21.6655

Deuteranomaly

21.5436, 22.3321, 22.5771

Tritanomaly

20.4392, 22.4746, 26.5533

Monochromacy



Original Color

19.6382, 22.5651, 22.3892

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2592, 22.0500, 23.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6382, 22.5651, 22.3892 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(117, 135, 124)` looks like.

```
.text, #text, p{  
    color:rgb(117, 135, 124)  
}
```

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(117, 135, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 135, 124) }
```

Border

The CSS property to change the border of an element to XYZ 19.6382, 22.5651, 22.3892 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(117, 135, 124) }
```


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

```
.border{ border-color:rgb(117, 135, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 135, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 135, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 135, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 135,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6382, 22.5651, 22.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 135, 124) }
```

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

```
.background{ background-color: rgb(117,  
135, 124) }
```

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