

Converting Colors

XYZ(22.0480, 20.4674, 18.8493)

Have a look what the booklet for
XYZ(22.0480, 20.4674, 18.8493)
contains.

XYZ(21.9762, 20.4215, 18.7031)	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(21.9762, 20.4215,
18.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	967572
RGB	150, 117, 114
RGB Percent	59%, 46%, 45%
CMY	0.4118, 0.5412, 0.5529
CMYK	0.00, 0.22, 0.24, 0.41
HSL	5°, 15%, 52%
HSV	5°, 24%, 59%
XYZ	21.9762, 20.4215, 18.7031
YIQ	126.5250, 20.6310, 6.0630

Conversions

Conversions Part 2

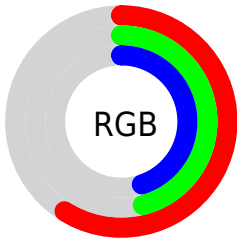
Format	Color
R_{YB}	150, 117, 114
Decimal	9860466
CIE _{Lab}	52.31, 12.44, 6.60
CIE _{LCh}	52, 14.085, 27.942
Yxy	20.4215, 0.3597, 0.3342
Android (android.graphics.Color)	4288050546 (0xFF967572)
YUV	126.5250, -6.1748, 20.5876
Hunter-Lab	45.1902, 7.7227, 7.0944

Details

The XYZ color **21.9762, 20.4215, 18.7031** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.8779, 26.6461, 32.7916**, and the grayscale version is **20.0260, 21.0690, 22.9441**.

A 20% lighter version of the original color is **46.2477, 44.1082, 42.1526**, and **8.1485, 7.2463, 6.1235** is the 20% darker color. If you saturate the color by 10%, you get **19.7055, 17.1362, 14.0737**, and if you desaturate by 10%, it is **24.6233, 24.2353, 24.1493**.

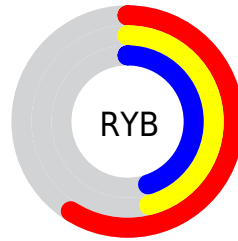
Distribution



Red (59%)

Green (46%)

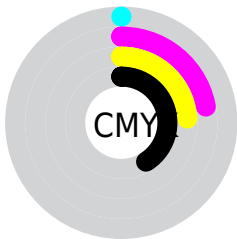
Blue (45%)



Red (59%)

Yellow (46%)

Blue (45%)

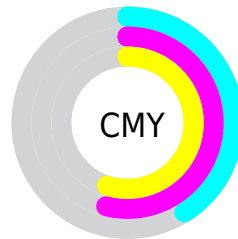


Cyan (0%)

Magenta (22%)

Yellow (24%)

Black (41%)



Cyan (41%)

Magenta (54%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9762, 20.4215, 18.7031 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 21.9762, 20.4215, 18.7031 by changing the saturation by 10% instead.

■ 21.9762, 20.4215,
18.7031

■ 21.9762, 20.4215,
18.7031

255.0567,
254.1879, 257.1726

■ 13.9559, 12.7018,
11.2813

■ 46.1858, 44.1227,
42.0618

■ 8.1715, 7.2235,
6.1398

■ 63.1058, 60.8731,
58.8358

■ 4.2576, 3.6023,
2.8601

■ 83.7232, 81.4024,
79.5642

■ 1.8489, 1.4537,
1.0237

■ 108.4031,
106.0951, 104.6657

■ 0.5469, 0.2558,
0.0000

137.5111,
135.3356, 134.5588

■ 0.0000, 0.0000,
0.0000

171.4125,

169.5084, 169.6619

210.4725,
208.9976, 210.3937

■ 21.9762, 20.4215,
18.7031

■ 21.9762, 20.4215,
18.7031

■ 19.7055, 17.1362,
14.0737

■ 24.6233, 24.2353,
24.1493

■ 17.7926, 14.3534,
10.2204

■ 27.6612, 28.5965,
30.4477

■ 16.2197, 12.0492,
7.1013

■ 31.1054, 33.5265,
37.6332

■ 14.9667, 10.1966,
4.6695

■ 34.9701, 39.0448,
45.7382

■ 14.0115, 8.7657,
2.8730

■ 39.2690, 45.1699,
54.7937

■ 13.3293, 7.7235,
1.6525

■ 44.0148, 51.9195,
64.8291

■ 12.8908, 7.0314,
0.9362

■ 49.2201, 59.3107,
75.8725

■ 12.7155, 6.7596,
0.6345

■ 54.8967, 67.3597,
87.9511

■ 61.0561, 76.0823,
101.0908

Harmonies

Analogous

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



22.3289, 20.4215, 22.5232



21.9762, 20.4215, 18.7031



20.9263, 20.4215, 16.1368

Triad

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



21.9762, 20.4215, 18.7031



17.1437, 20.4215, 18.2644



19.3102, 20.4215, 31.1984

Complementary

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



21.9762, 20.4215, 18.7031



22.8779, 26.6461, 32.7916

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.



17.9688, 20.4215, 29.7048



21.9762, 20.4215, 18.7031



16.7573, 20.4215, 21.9503

Square

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



21.9762, 20.4215, 18.7031



18.1339, 20.4215, 15.9065



17.0518, 20.4215, 26.1869



20.7447, 20.4215, 30.0536

Rectangle

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



21.9762, 20.4215, 18.7031



19.9977, 20.4215, 15.3110



17.0518, 20.4215, 26.1869



18.8339, 20.4215, 30.9848

Sweetspot

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



21.9768, 20.4224, 18.7035



47.0572, 47.9443, 50.0791



23.8616, 20.6255, 30.3273



10.3674, 10.5374, 10.9713



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.9768, 20.4224, 18.7035



36.4708, 32.6975, 28.2815



24.2791, 25.0271, 19.4710



5.8374, 5.8886, 6.0694



10.5570, 5.6284, 0.5300



0.1369, 0.0843, 0.0091

Inverse Universe

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



22.8779, 26.6461, 32.7916



38.3517, 45.6985, 57.7206



20.2949, 21.4802, 31.9306



5.9232, 6.4803, 7.4084



12.0540, 16.8028, 26.5390



0.1574, 0.2253, 0.3281

Previews

White Background



This preview shows how the XYZ color 21.9762, 20.4215, 18.7031 looks on a white background.

Color Contrast Check

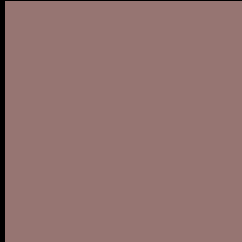
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9762, 20.4215, 18.7031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

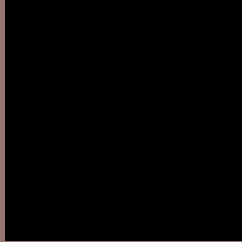
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9762, 20.4215, 18.7031

Background



This preview shows how black text looks on a background with the XYZ color 21.9762, 20.4215, 18.7031.



This preview shows how white text looks on a background with the XYZ color 21.9762, 20.4215,

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

21.9762, 20.4215, 18.7031

Protanopia

19.6569, 20.6424, 20.0879

Deuteranopia

20.8025, 20.5297, 18.4890



Tritanopia

22.5313, 20.2960, 21.7988

Trichromacy



Original Color

21.9762, 20.4215, 18.7031

Protanomaly

20.4869, 20.5218, 19.7109

Deuteranomaly

21.1987, 20.5545, 18.4729

Tritanomaly

22.3981, 20.4262, 20.5314

Monochromacy



Original Color

21.9762, 20.4215, 18.7031

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.5875, 20.7220, 21.3270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9762, 20.4215, 18.7031 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(150, 117, 114)` looks like.

```
.text, #text, p{  
    color:rgb(150, 117, 114)  
}
```

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(150, 117, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 117, 114) }
```

Border

The CSS property to change the border of an element to XYZ 21.9762, 20.4215, 18.7031 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(150, 117, 114) }
```


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

```
.border{ border-color:rgb(150, 117, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 117, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 117, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 117, 114);  
box-shadow:4px 4px 4px 4px rgb(150, 117,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9762, 20.4215, 18.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 117, 114) }
```

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

```
.background{ background-color: rgb(150,  
117, 114) }
```

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