

Converting Colors

XYZ(21.6914, 23.4644, 17.4611)

Have a look what the booklet for
XYZ(21.6914, 23.4644, 17.4611)
contains.

XYZ(21.7131, 23.5362, 17.5859)	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(21.7131, 23.5362,
17.5859)**

Conversions

Conversions Part 1

Format	Color
Hex	8A866C
RGB	138, 134, 108
RGB Percent	54%, 53%, 42%
CMY	0.4588, 0.4745, 0.5765
CMYK	0.00, 0.03, 0.22, 0.46
HSL	52°, 12%, 48%
HSV	52°, 22%, 54%
XYZ	21.7131, 23.5362, 17.5859
YIQ	132.2320, 10.7300, -7.2380

Conversions

Conversions Part 2

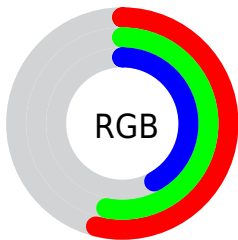
Format	Color
R_{YB}	113, 138, 108
Decimal	9078380
CIE Lab	55.62, -3.05, 14.57
CIE LCh	56, 14.883, 101.841
Yxy	23.5362, 0.3456, 0.3746
Android (android.graphics.Color)	4287268460 (0xFF8A866C)
YUV	132.2320, -11.9464, 5.0585
Hunter-Lab	48.5141, -5.0098, 12.4678

Details

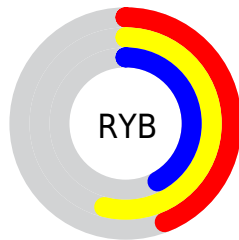
The XYZ color **21.7131, 23.5362, 17.5859** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.5659, 16.6110, 26.3780**, and the grayscale version is **22.0555, 23.2041, 25.2692**.

A 20% lighter version of the original color is **45.8537, 49.2852, 40.3539**, and **8.0886, 8.8980, 5.5661** is the 20% darker color. If you saturate the color by 10%, you get **20.7844, 22.7625, 13.9352**, and if you desaturate by 10%, it is **22.7638, 24.3674, 21.8514**.

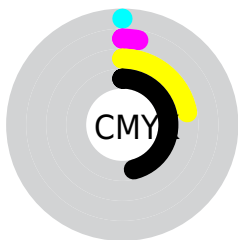
Distribution



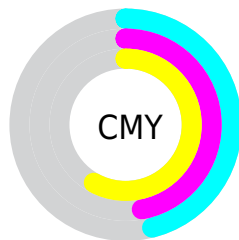
- Red (54%)
- Green (53%)
- Blue (42%)



- Red (44%)
- Yellow (54%)
- Blue (42%)



- Cyan (0%)
- Magenta (3%)
- Yellow (22%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7131, 23.5362, 17.5859 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 21.7131, 23.5362, 17.5859 by changing the saturation by 10% instead.

■ 21.7131, 23.5362,
17.5859

■ 21.7131, 23.5362,
17.5859

253.7050,
270.4672, 250.6837

■ 13.7617, 14.9899,
10.4867

■ 45.7537, 49.2723,
40.1348

■ 8.0357, 8.8123,
5.6131

■ 62.5737, 67.2309,
56.4216

■ 4.1698, 4.6190,
2.5463

■ 83.0805, 89.0957,
76.6081

■ 1.7986, 2.0255,
0.8645

■ 107.6395,
115.2512, 101.1127

■ 0.5168, 0.6222,
0.0000

136.6161,
146.0817, 130.3540

■ 0.0000, 0.0000,
0.0000

170.3756,

181.9716, 164.7506

209.2835,
223.3053, 204.7210

■ 21.7131, 23.5362,
17.5859

■ 21.7131, 23.5362,
17.5859

■ 20.7844, 22.7625,
13.9352

■ 22.7638, 24.3674,
21.8514

■ 19.9703, 22.0408,
10.8691

■ 23.9396, 25.2550,
26.7572

■ 19.2655, 21.3698,
8.3571

■ 25.2461, 26.2020,
32.3289

■ 18.6635, 20.7470,
6.3651

■ 26.6879, 27.2102,
38.5905

■ 18.1573, 20.1693,
4.8556

■ 28.2691, 28.2815,
45.5646

■ 17.7385, 19.6336,
3.7859

■ 29.9940, 29.4175,
53.2729

■ 17.3978, 19.1359,
3.1056

■ 31.8666, 30.6198,
61.7363

■ 17.1516, 18.7440,
2.7140

■ 33.8906, 31.8899,
70.9745

■ 36.0697, 33.2295,
81.0069

Harmonies

Analogous

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



23.3940, 23.5362, 17.7923



21.7131, 23.5362, 17.5859



20.2809, 23.5362, 19.3252

Triad

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



21.7131, 23.5362, 17.5859



20.0456, 23.5362, 32.3181



25.5877, 23.5362, 28.6245

Complementary

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



21.7131, 23.5362, 17.5859



16.5659, 16.6110, 26.3780

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.



24.5988, 23.5362, 33.1683



21.7131, 23.5362, 17.5859



21.3772, 23.5362, 35.4781

Square

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



21.7131, 23.5362, 17.5859



19.3510, 23.5362, 27.5757



23.0409, 23.5362, 35.8074



25.6887, 23.5362, 23.7722

Rectangle

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



21.7131, 23.5362, 17.5859



19.6375, 23.5362, 21.4982



23.0409, 23.5362, 35.8074



25.3458, 23.5362, 30.2531

Sweetspot

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



21.7137, 23.5373, 17.5864



41.0481, 43.6569, 42.3420



18.7686, 17.2985, 17.6793



9.1853, 9.7757, 9.4074



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.



21.7137, 23.5373, 17.5864



37.4590, 40.8186, 27.7666



20.5478, 23.7718, 17.6931



5.3752, 5.7333, 5.3757



15.7331, 17.2007, 2.4908



0.1118, 0.1289, 0.0190

Inverse Universe

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



16.5659, 16.6110, 26.3780



26.7437, 26.4026, 46.0698



17.5580, 16.4824, 26.3008



4.8249, 4.9928, 6.3152



4.4170, 2.1043, 22.2190



0.0353, 0.0259, 0.1496

Previews

White Background



This preview shows how the XYZ color 21.7131, 23.5362, 17.5859 looks on a white background.

Color Contrast Check

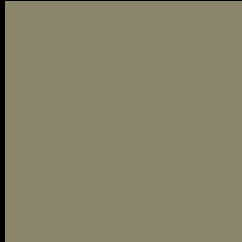
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7131, 23.5362, 17.5859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

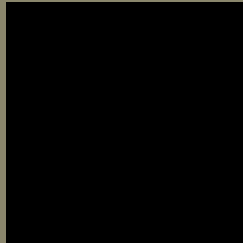
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

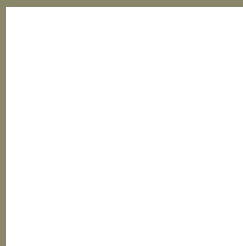
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7131, 23.5362, 17.5859

Background



This preview shows how black text looks on a background with the XYZ color 21.7131, 23.5362, 17.5859.



This preview shows how white text looks on a background with the XYZ color 21.7131, 23.5362,

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

21.7131, 23.5362, 17.5859

Protanopia

22.0788, 23.5205, 17.5636

Deuteranopia

23.8059, 23.4125, 17.7324



Tritanopia

23.8716, 23.6095, 28.1099

Trichromacy



Original Color

21.7131, 23.5362, 17.5859

Protanomaly

21.9095, 23.4332, 17.5557

Deuteranomaly

22.9557, 23.3653, 17.7681

Tritanomaly

22.9971, 23.4538, 23.7370

Monochromacy



Original Color

21.7131, 23.5362, 17.5859

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7942, 23.2735, 22.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7131, 23.5362, 17.5859 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, 134, 108)` looks like.

```
.text, #text, p{  
    color:rgb(138, 134, 108)  
}
```

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, 134, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 134, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.7131, 23.5362, 17.5859 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, 134, 108) }
```


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

```
.border{ border-color:rgb(138, 134, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 134, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 134, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 134, 108);  
box-shadow:4px 4px 4px 4px rgb(138, 134,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7131, 23.5362, 17.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 134, 108) }
```

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

```
.background{ background-color: rgb(138,  
134, 108) }
```

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