

Converting Colors

XYZ(20.8937, 22.8234, 21.7004)

Have a look what the booklet for
XYZ(20.8937, 22.8234, 21.7004)
contains.

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Color

**XYZ(20.9536, 22.8473,
21.7180)**

Conversions

Conversions Part 1

Format	Color
Hex	81857A
RGB	129, 133, 122
RGB Percent	51%, 52%, 48%
CMY	0.4941, 0.4784, 0.5216
CMYK	0.03, 0.00, 0.08, 0.48
HSL	82°, 4%, 50%
HSV	82°, 8%, 52%
XYZ	20.9536, 22.8473, 21.7180
YIQ	130.5500, 1.1470, -4.2690

Conversions

Conversions Part 2

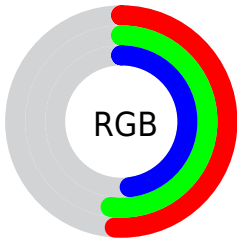
Format	Color
R_{YB}	122, 133, 126
Decimal	8488314
CIE _{Lab}	54.91, -3.62, 5.41
CIE _{LCh}	55, 6.509, 123.770
Yxy	22.8473, 0.3198, 0.3487
Android (android.graphics.Color)	4286678394 (0xFF81857A)
YUV	130.5500, -4.2152, -1.3594
Hunter-Lab	47.7988, -5.3989, 6.5200

Details

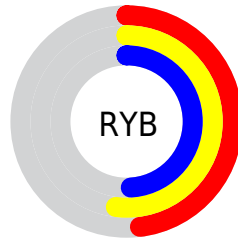
The XYZ color **20.9536, 22.8473, 21.7180** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.7983, 20.0488, 25.0178**, and the grayscale version is **21.4278, 22.5437, 24.5501**.

A 20% lighter version of the original color is **44.4903, 48.1189, 46.9874**, and **7.6812, 8.5272, 7.5444** is the 20% darker color. If you saturate the color by 10%, you get **19.4677, 22.1708, 17.6370**, and if you desaturate by 10%, it is **22.5884, 23.5889, 26.3957**.

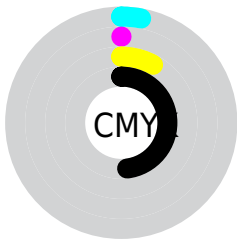
Distribution



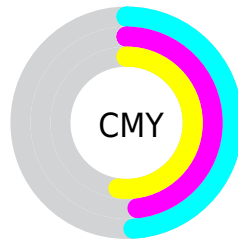
- Red (51%)
- Green (52%)
- Blue (48%)



- Red (48%)
- Yellow (52%)
- Blue (49%)



- Cyan (3%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9536, 22.8473, 21.7180 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 20.9536, 22.8473, 21.7180 by changing the saturation by 10% instead.

■ 20.9536, 22.8473,
21.7180

■ 20.9536, 22.8473,
21.7180

249.7682,
266.9397, 273.9753

■ 13.2024, 14.4808,
13.4535

■ 44.5022, 48.1425,
47.1757

■ 7.6460, 8.4558,
7.6072

■ 61.0302, 65.8399,
65.2059

■ 3.9192, 4.3880,
3.7605

■ 81.2145, 87.4165,
87.3285

■ 1.6565, 1.8929,
1.4949

105.4205,
113.2566, 113.9620

■ 0.4288, 0.5441,
0.2141

134.0135,
143.7445, 145.5248

■ 0.0000, 0.0000,
0.0000

167.3589,

179.2648, 182.4357

205.8220,
220.2017, 225.1130

■ 20.9536, 22.8473,
21.7180

■ 20.9536, 22.8473,
21.7180

■ 19.4677, 22.1708,
17.6370

■ 22.5884, 23.5889,
26.3957

■ 18.1239, 21.5543,
14.1273

■ 24.3749, 24.3945,
31.6913

■ 16.9173, 20.9966,
11.1638

■ 26.3184, 25.2671,
37.6267

■ 15.8422, 20.4954,
8.7187

■ 28.4231, 26.2083,
44.2224

■ 14.8924, 20.0481,
6.7623

■ 30.6932, 27.2199,
51.4979

■ 14.0613, 19.6520,
5.2613

■ 33.1327, 28.3035,
59.4718

■ 13.3410, 19.3039,
4.1787

■ 35.7454, 29.4608,
68.1622

■ 12.7231, 19.0003,
3.4715

■ 38.5351, 30.6932,
77.5864

■ 12.1878, 18.7334,
3.0395

■ 41.5052, 32.0022,
87.7611

Harmonies

Analogous

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



21.6246, 22.8473, 21.1191



20.9536, 22.8473, 21.7180



20.4948, 22.8473, 23.1618

Triad

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



20.9536, 22.8473, 21.7180



21.1083, 22.8473, 28.6138



23.1296, 22.8473, 24.6165

Complementary

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



20.9536, 22.8473, 21.7180



19.7983, 20.0488, 25.0178

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.



22.9841, 22.8473, 26.6745



20.9536, 22.8473, 21.7180



21.8070, 22.8473, 29.0558

Square

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



20.9536, 22.8473, 21.7180



20.5827, 22.8473, 27.1514



22.4960, 22.8473, 28.3280



22.8895, 22.8473, 22.7330

Rectangle

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



20.9536, 22.8473, 21.7180



20.3655, 22.8473, 24.4481



22.4960, 22.8473, 28.3280



23.1242, 22.8473, 25.3105

Sweetspot

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



20.9542, 22.8483, 21.7185



39.3133, 41.7268, 43.9785



20.6282, 21.2759, 21.4322



8.8664, 9.4050, 9.9353



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.9542, 22.8483, 21.7185



36.9819, 40.6685, 37.3798



20.1628, 22.4403, 21.6815



4.8798, 5.3406, 5.0030



11.5331, 17.8055, 2.8289



0.0480, 0.0658, 0.0102

Inverse Universe

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



19.7983, 20.0488, 25.0178



34.4555, 34.5498, 44.5912



20.6084, 20.4664, 25.0557



4.5826, 4.6209, 5.8512



5.2195, 2.2249, 21.2910



0.0256, 0.0116, 0.0741

Previews

White Background



This preview shows how the XYZ color 20.9536, 22.8473, 21.7180 looks on a white background.

Color Contrast Check

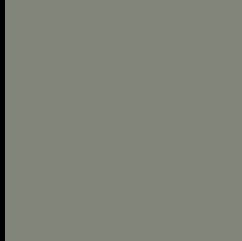
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9536, 22.8473, 21.7180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

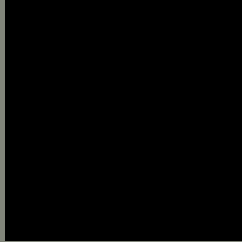
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9536, 22.8473, 21.7180

Background



This preview shows how black text looks on a background with the XYZ color 20.9536, 22.8473, 21.7180.



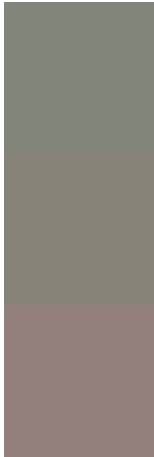
This preview shows how white text looks on a background with the XYZ color 20.9536, 22.8473,

21.7180.

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

20.9536, 22.8473, 21.7180

Protanopia

21.7208, 22.8473, 21.3543

Deuteranopia

23.1971, 22.8118, 21.9194



Tritanopia

22.3061, 22.7939, 28.4233

Trichromacy



Original Color

20.9536, 22.8473, 21.7180

Protanomaly

21.3753, 22.8695, 21.3768

Deuteranomaly

22.2406, 22.7060, 21.9494

Tritanomaly

21.7794, 22.7791, 25.8032

Monochromacy



Original Color

20.9536, 22.8473, 21.7180

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.3535, 22.8069, 23.6988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9536, 22.8473, 21.7180 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(129, 133, 122)` looks like.

```
.text, #text, p{  
    color:rgb(129, 133, 122)  
}
```

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(129, 133, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 133, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.9536, 22.8473, 21.7180 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(129, 133, 122) }
```


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

```
.border{ border-color:rgb(129, 133, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 133, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 133, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 133, 122);  
box-shadow:4px 4px 4px 4px rgb(129, 133,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9536, 22.8473, 21.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 133, 122) }
```

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

```
.background{ background-color: rgb(129,  
133, 122) }
```

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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