

Converting Colors

XYZ(21.3063, 21.7375, 22.4751)

Have a look what the booklet for
XYZ(21.3063, 21.7375, 22.4751)
contains.

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Color

**XYZ(21.4444, 21.8937,
22.4977)**

Conversions

Conversions Part 1

Format	Color
Hex	887F7D
RGB	136, 127, 125
RGB Percent	53%, 50%, 49%
CMY	0.4667, 0.5019, 0.5098
CMYK	0.00, 0.07, 0.08, 0.47
HSL	11°, 4%, 51%
HSV	11°, 8%, 53%
XYZ	21.4444, 21.8937, 22.4977
YIQ	129.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

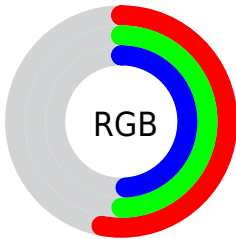
Format	Color
R_{YB}	136, 127, 125
Decimal	8945533
CIE _{Lab}	53.91, 3.04, 2.30
CIE _{LCh}	54, 3.810, 37.200
Yxy	21.8937, 0.3257, 0.3326
Android (android.graphics.Color)	4287135613 (0xFF887F7D)
YUV	129.4630, -2.2003, 5.7329
Hunter-Lab	46.7907, -0.0763, 4.2459

Details

The XYZ color **21.4444, 21.8937, 22.4977** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.4264, 23.1873, 26.6391**, and the grayscale version is **21.0353, 22.1307, 24.1004**.

A 20% lighter version of the original color is **45.3434, 46.6757, 48.7389**, and **7.8666, 7.9490, 7.9572** is the 20% darker color. If you saturate the color by 10%, you get **19.2763, 18.8539, 17.7781**, and if you desaturate by 10%, it is **23.8913, 25.3003, 27.8978**.

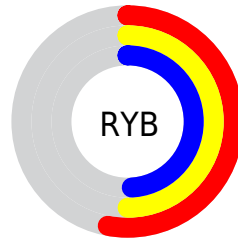
Distribution



Red (53%)

Green (50%)

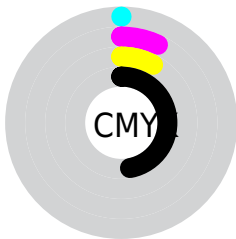
Blue (49%)



Red (53%)

Yellow (50%)

Blue (49%)

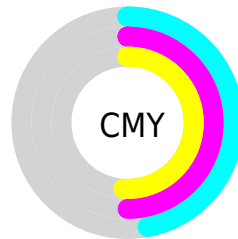


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (47%)



Cyan (47%)

Magenta (50%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4444, 21.8937, 22.4977 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 21.4444, 21.8937, 22.4977 by changing the saturation by 10% instead.

■ 21.4444, 21.8937,
22.4977

■ 21.4444, 21.8937,
22.4977

252.3182,
261.9906, 278.1723

■ 13.5635, 13.7788,
14.0213

■ 45.3117, 46.5702,
48.4799

■ 7.8974, 7.9670,
7.9965

■ 62.0289, 63.9007,
66.8228

■ 4.0806, 4.0738,
4.0050

■ 82.4221, 85.0718,
89.2915

■ 1.7478, 1.7149,
1.6281

106.8569,
110.4679, 116.3046

■ 0.4859, 0.4333,
0.3107

135.6986,
140.4735, 148.2808

■ 0.0000, 0.0000,
0.0000

169.3124,

175.4728, 185.6384

208.0638,
215.8504, 228.7960

■ 21.4444, 21.8937,
22.4977

■ 21.4444, 21.8937,
22.4977

■ 19.2763, 18.8539,
17.7781

■ 23.8913, 25.3003,
27.8978

■ 17.3754, 16.1658,
13.7106

■ 26.6247, 29.0825,
34.0024

■ 15.7316, 13.8176,
10.2667

■ 29.6541, 33.2522,
40.8362

■ 14.3337, 11.7956,
7.4156

■ 32.9882, 37.8201,
48.4222

■ 13.1697, 10.0852,
5.1235

■ 36.6351, 42.7964,
56.7825

■ 12.2264, 8.6707,
3.3534

■ 40.6028, 48.1910,
65.9380

■ 11.4893, 7.5350,
2.0638

■ 44.8989, 54.0134,
75.9093

■ 10.9420, 6.6593,
1.2068

■ 49.5309, 60.2727,
86.7157

■ 10.5571, 6.0187,
0.6800

■ 54.5057, 66.9779,
98.3762

Harmonies

Analogous

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



21.6023, 21.8937, 23.5563



21.4444, 21.8937, 22.4977



21.1167, 21.8937, 21.8147

Triad

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



21.4444, 21.8937, 22.4977



20.0901, 21.8937, 22.9732



20.9084, 21.8937, 26.1524

Complementary

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



21.4444, 21.8937, 22.4977



21.4264, 23.1873, 26.6391

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.



20.5049, 21.8937, 25.9838



21.4444, 21.8937, 22.4977



20.0360, 21.8937, 24.1230

Square

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



21.4444, 21.8937, 22.4977



20.3357, 21.8937, 22.0828



20.1869, 21.8937, 25.2316



21.2902, 21.8937, 25.6849

Rectangle

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



21.4444, 21.8937, 22.4977



20.8479, 21.8937, 21.6511



20.1869, 21.8937, 25.2316



20.7708, 21.8937, 26.1685

Sweetspot

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



21.4450, 21.8947, 22.4982



40.3384, 42.1341, 45.2537



21.8019, 21.6277, 25.6410



9.3557, 9.7770, 10.5108



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.



21.4450, 21.8947, 22.4982



36.9380, 37.3905, 37.7784



22.1518, 23.3083, 22.7338



5.1018, 5.1864, 5.2846



9.9394, 5.6132, 0.5596



0.0739, 0.0531, 0.0063

Inverse Universe

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



21.4264, 23.1873, 26.6391



36.8970, 40.2278, 46.8684



20.7081, 21.7507, 26.3996



5.0967, 5.5364, 6.4058



9.6171, 12.5044, 23.9524



0.0732, 0.1017, 0.1622

Previews

White Background



This preview shows how the XYZ color 21.4444, 21.8937, 22.4977 looks on a white background.

Color Contrast Check

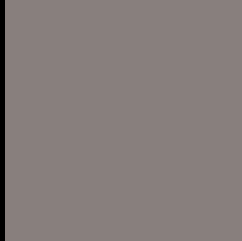
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4444, 21.8937, 22.4977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

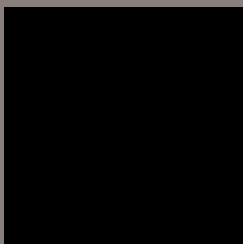
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

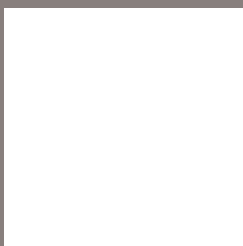
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4444, 21.8937, 22.4977

Background



This preview shows how black text looks on a background with the XYZ color 21.4444, 21.8937, 22.4977.



This preview shows how white text looks on a background with the XYZ color 21.4444, 21.8937,

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

21.4444, 21.8937, 22.4977

Protanopia

21.0008, 21.8502, 22.8493

Deuteranopia

22.3630, 21.9875, 22.4674



Tritanopia

22.0233, 21.7349, 25.9562

Trichromacy



Original Color

21.4444, 21.8937, 22.4977

Protanomaly

21.1579, 21.9312, 22.8567

Deuteranomaly

21.9777, 21.9778, 22.4858

Tritanomaly

21.8741, 21.8788, 24.5429

Monochromacy



Original Color

21.4444, 21.8937, 22.4977

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1312, 21.9024, 23.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4444, 21.8937, 22.4977 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(136, 127, 125)` looks like.

```
.text, #text, p{  
    color:rgb(136, 127, 125)  
}
```

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(136, 127, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 127, 125) }
```

Border

The CSS property to change the border of an element to XYZ 21.4444, 21.8937, 22.4977 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(136, 127, 125) }
```


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

```
.border{ border-color:rgb(136, 127, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 127, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 127, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 127, 125);  
box-shadow:4px 4px 4px 4px rgb(136, 127,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4444, 21.8937, 22.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 127, 125) }
```

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

```
.background{ background-color: rgb(136,  
127, 125) }
```

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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