

Converting Colors

XYZ(21.9910, 21.3944, 24.4486)

Have a look what the booklet for
XYZ(21.9910, 21.3944, 24.4486)
contains.

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Color

**XYZ(21.9949, 21.3801,
24.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7B83
RGB	140, 123, 131
RGB Percent	55%, 48%, 51%
CMY	0.4510, 0.5176, 0.4863
CMYK	0.00, 0.12, 0.06, 0.45
HSL	332°, 7%, 52%
HSV	332°, 12%, 55%
XYZ	21.9949, 21.3801, 24.4402
YIQ	128.9950, 7.5640, 6.0920

Conversions

Conversions Part 2

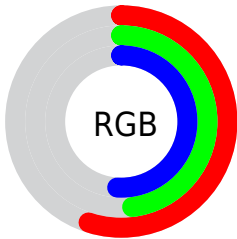
Format	Color
R_{YB}	140, 123, 131
Decimal	9206659
CIE Lab	53.36, 7.99, -1.96
CIE LCh	53, 8.229, 346.250
Yxy	21.3801, 0.3243, 0.3153
Android (android.graphics.Color)	4287396739 (0xFF8C7B83)
YUV	128.9950, 0.9885, 9.6514
Hunter-Lab	46.2386, 3.9917, 1.0283

Details

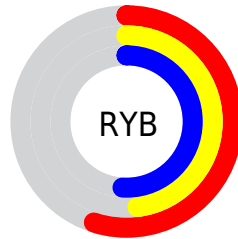
The XYZ color **21.9949, 21.3801, 24.4402** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7122, 24.6336, 25.4415**, and the grayscale version is **20.8598, 21.9461, 23.8993**.

A 20% lighter version of the original color is **46.2298, 45.5900, 51.7106**, and **8.1882, 7.6804, 9.0335** is the 20% darker color. If you saturate the color by 10%, you get **19.8964, 17.9584, 21.3500**, and if you desaturate by 10%, it is **24.3790, 25.3149, 27.8035**.

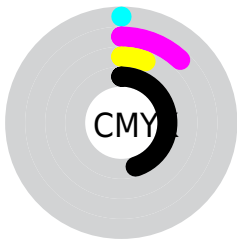
Distribution



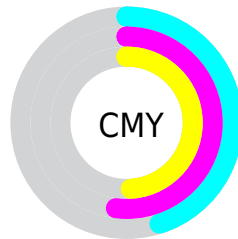
- Red (55%)
- Green (48%)
- Blue (51%)



- Red (55%)
- Yellow (48%)
- Blue (51%)



- Cyan (0%)
- Magenta (12%)
- Yellow (6%)
- Black (45%)



- Cyan (45%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9949, 21.3801, 24.4402 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 21.9949, 21.3801, 24.4402 by changing the saturation by 10% instead.

■ 21.9949, 21.3801,
24.4402

■ 21.9949, 21.3801,
24.4402

255.1525,
259.2917, 288.3964

■ 13.9697, 13.4021,
15.4453

■ 46.2165, 45.7193,
51.7004

■ 8.1812, 7.7060,
8.9824

■ 63.1436, 62.8493,
70.8028

■ 4.2639, 3.9074,
4.6330

■ 83.7688, 83.7987,
94.1113

■ 1.8525, 1.6219,
1.9787

108.4573,
108.9520, 122.0447

■ 0.5490, 0.3723,
0.5421

137.5746,
138.6936, 155.0213

■ 0.0000, 0.0000,
0.0000

171.4860,

173.4078, 193.4598

210.5568,
213.4790, 237.7786

■ 21.9949, 21.3801,
24.4402

■ 21.9949, 21.3801,
24.4402

■ 19.8964, 17.9584,
21.3500

■ 24.3790, 25.3149,
27.8035

■ 18.0704, 15.0256,
18.5242

■ 27.0574, 29.7799,
31.4455

■ 16.5055, 12.5599,
15.9552

■ 30.0407, 34.7950,
35.3737

■ 15.1888, 10.5367,
13.6349

■ 33.3386, 40.3782,
39.5945

■ 14.1061, 8.9290,
11.5546

■ 36.9602, 46.5468,
44.1143

■ 13.2418, 7.7071,
9.7046

■ 40.9141, 53.3171,
48.9392

■ 12.5783, 6.8370,
8.0748

■ 45.2088, 60.7049,
54.0752

■ 12.0948, 6.2788,
6.6536

■ 49.8524, 68.7256,
59.5279

■ 11.7949, 5.9673,
5.6644

■ 54.8528, 77.3936,
65.3030

Harmonies

Analogous

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



21.5574, 21.3801, 26.7628



21.9949, 21.3801, 24.4402



21.9749, 21.3801, 21.9603

Triad

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



21.9949, 21.3801, 24.4402



19.8552, 21.3801, 18.9640



19.1828, 21.3801, 26.9259

Complementary

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



21.9949, 21.3801, 24.4402



21.7122, 24.6336, 25.4415

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.



18.7525, 21.3801, 24.6501



21.9949, 21.3801, 24.4402



19.1330, 21.3801, 20.1120

Square

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



21.9949, 21.3801, 24.4402



20.7226, 21.3801, 18.9167



18.7345, 21.3801, 22.1557



19.9249, 21.3801, 28.2658

Rectangle

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



21.9949, 21.3801, 24.4402



21.7045, 21.3801, 20.5519



18.7345, 21.3801, 22.1557



18.9978, 21.3801, 26.2379

Sweetspot

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



21.9955, 21.3810, 24.4407



42.1241, 43.2107, 47.8279



21.2993, 20.9485, 27.7320



9.6376, 9.8430, 10.9247



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.9955, 21.3810, 24.4407



37.5502, 35.6834, 41.3080



21.5093, 21.2429, 21.7067



5.1244, 5.0852, 5.7436



10.4900, 5.3061, 5.0848



0.0770, 0.0382, 0.0722

Inverse Universe

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



21.9955, 21.3810, 24.4407



37.5502, 35.6834, 41.3080



22.2394, 24.7783, 28.4217



5.1244, 5.0852, 5.7436



10.4900, 5.3061, 5.0848



0.0770, 0.0382, 0.0722

Previews

White Background



This preview shows how the XYZ color 21.9949, 21.3801, 24.4402 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 21.9949, 21.3801, 24.4402 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 21.9949, 21.3801, 24.4402

Background



This preview shows how black text looks on a background with the XYZ color 21.9949, 21.3801, 24.4402.



This preview shows how white text looks on a background with the XYZ color 21.9949, 21.3801,

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

21.9949, 21.3801, 24.4402

Protanopia

20.7251, 21.4614, 25.2404

Deuteranopia

21.7856, 21.4573, 24.4662



Tritanopia

22.0630, 21.4073, 24.7990

Trichromacy



Original Color

21.9949, 21.3801, 24.4402

Protanomaly

21.1414, 21.4932, 24.8641

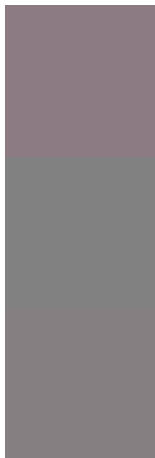
Deuteranomaly

21.9518, 21.5430, 24.4739

Tritanomaly

22.0630, 21.4073, 24.7990

Monochromacy



Original Color

21.9949, 21.3801, 24.4402

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2915, 21.7770, 24.2003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9949, 21.3801, 24.4402 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(140, 123, 131)` looks like.

```
.text, #text, p{  
    color:rgb(140, 123, 131)  
}
```

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(140, 123, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 123, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.9949, 21.3801, 24.4402 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(140, 123, 131) }
```


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

```
.border{ border-color:rgb(140, 123, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 123, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 123, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 123, 131);  
box-shadow:4px 4px 4px 4px rgb(140, 123,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9949, 21.3801, 24.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 123, 131) }
```

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

```
.background{ background-color: rgb(140,  
123, 131) }
```

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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