

Converting Colors

XYZ(21.8963, 21.4290, 23.4434)

Have a look what the booklet for
XYZ(21.8963, 21.4290, 23.4434)
contains.

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Color

**XYZ(21.7945, 21.2999,
23.3847)**

Conversions

Conversions Part 1

Format	Color
Hex	8C7B80
RGB	140, 123, 128
RGB Percent	55%, 48%, 50%
CMY	0.4510, 0.5176, 0.4980
CMYK	0.00, 0.12, 0.09, 0.45
HSL	342°, 7%, 52%
HSV	342°, 12%, 55%
XYZ	21.7945, 21.2999, 23.3847
YIQ	128.6530, 8.5270, 5.1590

Conversions

Conversions Part 2

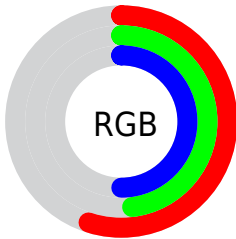
Format	Color
R_{YB}	140, 123, 128
Decimal	9206656
CIE _{Lab}	53.28, 7.43, -0.33
CIE _{LCh}	53, 7.439, 357.458
Yxy	21.2999, 0.3278, 0.3204
Android (android.graphics.Color)	4287396736 (0xFF8C7B80)
YUV	128.6530, -0.3219, 9.9513
Hunter-Lab	46.1518, 3.5283, 2.2646

Details

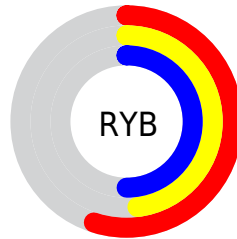
The XYZ color **21.7945, 21.2999, 23.3847** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.9205, 24.7170, 26.5384**, and the grayscale version is **20.7445, 21.8248, 23.7672**.

A 20% lighter version of the original color is **45.9186, 45.4655, 50.0716**, and **8.0765, 7.6357, 8.4453** is the 20% darker color. If you saturate the color by 10%, you get **19.5613, 17.8243, 19.5855**, and if you desaturate by 10%, it is **24.3406, 25.2995, 27.6015**.

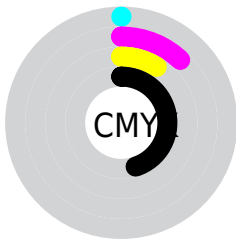
Distribution



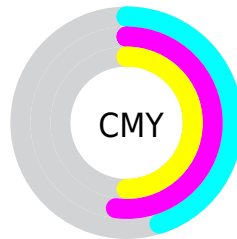
- Red (55%)
- Green (48%)
- Blue (50%)



- Red (55%)
- Yellow (48%)
- Blue (50%)



- Cyan (0%)
- Magenta (12%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7945, 21.2999, 23.3847 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 21.7945, 21.2999, 23.3847 by changing the saturation by 10% instead.

■ 21.7945, 21.2999,
23.3847

■ 21.7945, 21.2999,
23.3847

254.1238,
258.8680, 282.8805

■ 13.8217, 13.3434,
14.6699

■ 45.8875, 45.5861,
49.9554

■ 8.0777, 7.6654,
8.4440

■ 62.7384, 62.6846,
68.6484

■ 4.1969, 3.8816,
4.2885

■ 83.2795, 83.5992,
91.5044

■ 1.8141, 1.6076,
1.7849

107.8760,
108.7144, 118.9422

■ 0.5262, 0.3627,
0.4180

136.8934,
138.4144, 151.3801

■ 0.0000, 0.0000,
0.0000

170.6969,

173.0838, 189.2368

209.6519,
213.1069, 232.9307

■ 21.7945, 21.2999,
23.3847

■ 21.7945, 21.2999,
23.3847

■ 19.5613, 17.8243,
19.5855

■ 24.3406, 25.2995,
27.6015

■ 17.6271, 14.8482,
16.1895

■ 27.2096, 29.8407,
32.2468

■ 15.9792, 12.3493,
13.1834

■ 30.4129, 34.9438,
37.3330

■ 14.6035, 10.3025,
10.5529

■ 33.9610, 40.6272,
42.8716

■ 13.4847, 8.6804,
8.2823

■ 37.8640, 46.9083,
48.8735

■ 12.6058, 7.4527,
6.3553

■ 42.1314, 53.8040,
55.3492

■ 11.9477, 6.5848,
4.7537

■ 46.7725, 61.3304,
62.3091

■ 11.4880, 6.0361,
3.4576

■ 51.7962, 69.5031,
69.7630

■ 11.2185, 5.7368,
2.6287

■ 57.2110, 78.3370,
77.7206

Harmonies

Analogous

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



21.5475, 21.2999, 25.6020



21.7945, 21.2999, 23.3847



21.6175, 21.2999, 21.2506

Triad

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



21.7945, 21.2999, 23.3847



19.5552, 21.2999, 19.5552



19.4418, 21.2999, 27.0403

Complementary

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



21.7945, 21.2999, 23.3847



21.9205, 24.7170, 26.5384

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.



18.9317, 21.2999, 25.2481



21.7945, 21.2999, 23.3847



18.9959, 21.2999, 20.9381

Square

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



21.7945, 21.2999, 23.3847



20.3121, 21.2999, 19.1265



18.7706, 21.2999, 23.0003



20.1779, 21.2999, 27.7962

Rectangle

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



21.7945, 21.2999, 23.3847



21.2853, 21.2999, 20.1434



18.7706, 21.2999, 23.0003



19.2390, 21.2999, 26.5336

Sweetspot

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



21.7951, 21.3008, 23.3852



41.9970, 43.1599, 47.1590



21.7929, 21.2030, 27.7553



9.6036, 9.8294, 10.7456



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.



21.7951, 21.3008, 23.3852



37.1163, 35.5098, 39.0231



21.9032, 22.0306, 21.8379



5.0894, 5.0712, 5.5595



9.9758, 5.1004, 2.3770



0.0721, 0.0362, 0.0462

Inverse Universe

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



21.7951, 21.3008, 23.3852



37.1163, 35.5098, 39.0231



21.7917, 23.8829, 28.2726



5.0894, 5.0712, 5.5595



9.9758, 5.1004, 2.3770



0.0721, 0.0362, 0.0462

Previews

White Background



This preview shows how the XYZ color 21.7945, 21.2999, 23.3847 looks on a white background.

Color Contrast Check

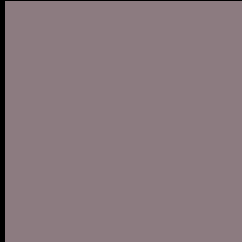
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7945, 21.2999, 23.3847 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

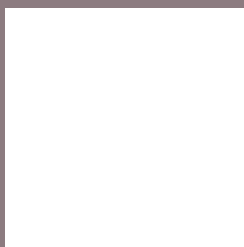
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7945, 21.2999, 23.3847

Background



This preview shows how black text looks on a background with the XYZ color 21.7945, 21.2999, 23.3847.



This preview shows how white text looks on a background with the XYZ color 21.7945, 21.2999,

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

21.7945, 21.2999, 23.3847

Protanopia

20.6719, 21.4576, 24.1713

Deuteranopia

21.6267, 21.2134, 23.3768



Tritanopia

22.1089, 21.2477, 24.7658

Trichromacy



Original Color

21.7945, 21.2999, 23.3847

Protanomaly

21.0962, 21.4932, 23.8056

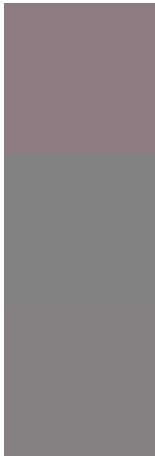
Deuteranomaly

21.6267, 21.2134, 23.3768

Tritanomaly

22.0408, 21.2205, 24.4070

Monochromacy



Original Color

21.7945, 21.2999, 23.3847

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.2247, 21.7503, 23.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7945, 21.2999, 23.3847 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, 128) looks like.

```
.text, #text, p{  
    color:rgb(140, 123, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 123, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.7945, 21.2999, 23.3847 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, 128) }
```


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

```
.border{ border-color:rgb(140, 123, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 123, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 123, 128);  
box-shadow:4px 4px 4px 4px rgb(140, 123,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7945, 21.2999, 23.3847 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, 128) }
```

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

```
.background{ background-color: rgb(140,  
123, 128) }
```

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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