

Converting Colors

XYZ(21.3828, 22.6960, 21.9603)

Have a look what the booklet for
XYZ(21.3828, 22.6960, 21.9603)
contains.

XYZ(21.3643, 22.6492, 21.9846)	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(21.3643, 22.6492,
21.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	85837B
RGB	133, 131, 123
RGB Percent	52%, 51%, 48%
CMY	0.4784, 0.4863, 0.5176
CMYK	0.00, 0.02, 0.08, 0.48
HSL	48°, 4%, 50%
HSV	48°, 8%, 52%
XYZ	21.3643, 22.6492, 21.9846
YIQ	130.6860, 3.7600, -2.0640

Conversions

Conversions Part 2

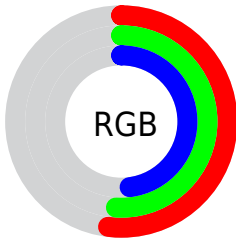
Format	Color
R_YB	126, 133, 123
Decimal	8749947
CIE _{Lab}	54.71, -0.77, 4.58
CIE _{LCh}	55, 4.645, 99.562
Yxy	22.6492, 0.3237, 0.3432
Android (android.graphics.Color)	4286940027 (0xFF85837B)
YUV	130.6860, -3.7892, 2.0294
Hunter-Lab	47.5912, -3.1536, 5.9250

Details

The XYZ color **21.3643, 22.6492, 21.9846** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.7356, 20.5713, 25.1210**, and the grayscale version is **21.4741, 22.5924, 24.6031**.

A 20% lighter version of the original color is **45.1281, 47.8152, 47.4082**, and **7.9095, 8.4138, 7.6857** is the 20% darker color. If you saturate the color by 10%, you get **20.2357, 21.6349, 17.7760**, and if you desaturate by 10%, it is **22.6165, 23.7290, 26.7930**.

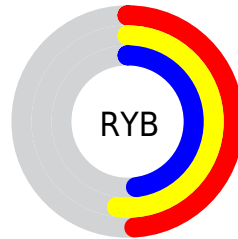
Distribution



Red (52%)

Green (51%)

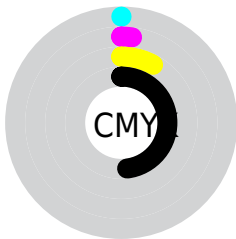
Blue (48%)



Red (49%)

Yellow (52%)

Blue (48%)

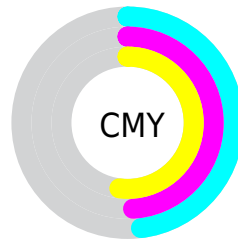


Cyan (0%)

Magenta (2%)

Yellow (8%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3643, 22.6492, 21.9846 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 21.3643, 22.6492, 21.9846 by changing the saturation by 10% instead.

■ 21.3643, 22.6492,
21.9846

■ 21.3643, 22.6492,
21.9846

251.9035,
265.9181, 275.4167

■ 13.5045, 14.3347,
13.6474

■ 45.1798, 47.8167,
47.6224

■ 7.8563, 8.3538,
7.7399

■ 61.8662, 65.4384,
65.7601

■ 4.0541, 4.3222,
3.8436

■ 82.2255, 86.9314,
88.0016

■ 1.7328, 1.8554,
1.5399

106.6231,
112.6799, 114.7656

■ 0.4767, 0.5213,
0.2474

135.4244,
143.0685, 146.4706

■ 0.0000, 0.0000,
0.0000

168.9946,

178.4814, 183.5351

207.6992,
219.3032, 226.3776

■ 21.3643, 22.6492,
21.9846

■ 21.3643, 22.6492,
21.9846

■ 20.2357, 21.6349,
17.7760

■ 22.6165, 23.7290,
26.7930

■ 19.2241, 20.6812,
14.1420

■ 23.9947, 24.8733,
32.2224

■ 18.3254, 19.7871,
11.0575

■ 25.5036, 26.0847,
38.2946

■ 17.5342, 18.9503,
8.4951

■ 27.1472, 27.3649,
45.0299

■ 16.8448, 18.1684,
6.4249

■ 28.9293, 28.7156,
52.4478

■ 16.2509, 17.4388,
4.8144

■ 30.8534, 30.1382,
60.5670

■ 15.7454, 16.7586,
3.6265

■ 32.9231, 31.6343,
69.4053

■ 15.3203, 16.1243,
2.8189

■ 35.1415, 33.2054,
78.9801

■ 14.9587, 15.5292,
2.3038

■ 37.5121, 34.8527,
89.3080

Harmonies

Analogous

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



21.8729, 22.6492, 22.1129



21.3643, 22.6492, 21.9846



20.9066, 22.6492, 22.5512

Triad

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



21.3643, 22.6492, 21.9846



20.7775, 22.6492, 26.5004



22.4629, 22.6492, 25.6586

Complementary

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



21.3643, 22.6492, 21.9846



19.7356, 20.5713, 25.1210

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.



22.1604, 22.6492, 26.8987



21.3643, 22.6492, 21.9846



21.1855, 22.6492, 27.3979

Square

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



21.3643, 22.6492, 21.9846



20.5713, 22.6492, 25.1323



21.6913, 22.6492, 27.5465



22.5126, 22.6492, 24.1958

Rectangle

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



21.3643, 22.6492, 21.9846



20.6899, 22.6492, 23.2605



21.6913, 22.6492, 27.5465



22.3872, 22.6492, 26.1169

Sweetspot

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



21.3649, 22.6502, 21.9851



39.4590, 41.6046, 43.9473



20.4578, 20.6334, 22.3068



8.8970, 9.3794, 9.9287



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.



21.3649, 22.6502, 21.9851



37.9039, 40.2471, 38.0256



21.1688, 22.9512, 22.0535



4.9629, 5.2693, 4.9849



14.1715, 14.6656, 2.0838



0.0541, 0.0608, 0.0089

Inverse Universe

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



19.7356, 20.5713, 25.1210



34.3710, 35.7395, 44.8253



19.9211, 20.2953, 25.0579



4.5043, 4.6842, 5.8675



4.4015, 2.3507, 21.3584



0.0195, 0.0166, 0.0754

Previews

White Background



This preview shows how the XYZ color 21.3643, 22.6492, 21.9846 looks on a white background.

Color Contrast Check

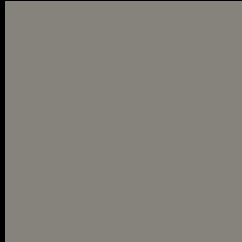
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3643, 22.6492, 21.9846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

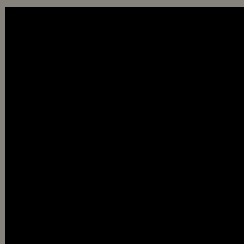
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

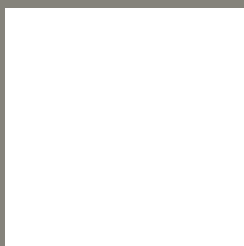
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3643, 22.6492, 21.9846

Background



This preview shows how black text looks on a background with the XYZ color 21.3643, 22.6492, 21.9846.



This preview shows how white text looks on a background with the XYZ color 21.3643, 22.6492,

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

21.3643, 22.6492, 21.9846

Protanopia

21.5495, 22.5462, 21.9550

Deuteranopia

22.9530, 22.4879, 22.1996



Tritanopia

22.5021, 22.7155, 27.6246

Trichromacy



Original Color

21.3643, 22.6492, 21.9846

Protanomaly

21.3893, 22.4637, 21.9475

Deuteranomaly

22.3418, 22.5563, 22.2450

Tritanomaly

22.0478, 22.7271, 25.4150

Monochromacy



Original Color

21.3643, 22.6492, 21.9846

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5283, 22.6966, 23.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3643, 22.6492, 21.9846 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(133, 131, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 123)  
}
```

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(133, 131, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.3643, 22.6492, 21.9846 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(133, 131, 123) }
```


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

```
.border{ border-color:rgb(133, 131, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3643, 22.6492, 21.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 123) }
```

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

```
.background{ background-color: rgb(133,  
131, 123) }
```

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