

Converting Colors

XYZ(24.3287, 23.4956, 21.7954)

Have a look what the booklet for
XYZ(24.3287, 23.4956, 21.7954)
contains.

XYZ(24.3689, 23.6158, 21.6863)	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(24.3689, 23.6158,
21.6863)**

Conversions

Conversions Part 1

Format	Color
Hex	99807A
RGB	153, 128, 122
RGB Percent	60%, 50%, 48%
CMY	0.4000, 0.4980, 0.5216
CMYK	0.00, 0.16, 0.20, 0.40
HSL	12°, 13%, 54%
HSV	12°, 20%, 60%
XYZ	24.3689, 23.6158, 21.6863
YIQ	134.7910, 16.8260, 3.4340

Conversions

Conversions Part 2

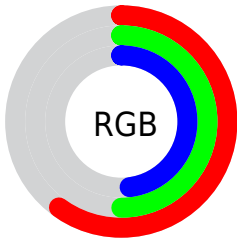
Format	Color
R_{YB}	153, 129, 122
Decimal	10059898
CIE _{Lab}	55.70, 8.58, 6.82
CIE _{LCh}	56, 10.966, 38.482
Yxy	23.6158, 0.3498, 0.3390
Android (android.graphics.Color)	4288249978 (0xFF99807A)
YUV	134.7910, -6.3060, 15.9693
Hunter-Lab	48.5961, 4.4671, 7.5587

Details

The XYZ color **24.3689, 23.6158, 21.6863** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.2093, 27.3042, 34.1314**, and the grayscale version is **22.9705, 24.1667, 26.3176**.

A 20% lighter version of the original color is **50.1763, 49.5136, 46.9569**, and **9.3654, 8.8397, 7.5160** is the 20% darker color. If you saturate the color by 10%, you get **21.9821, 20.2417, 16.5760**, and if you desaturate by 10%, it is **27.1020, 27.4432, 27.6489**.

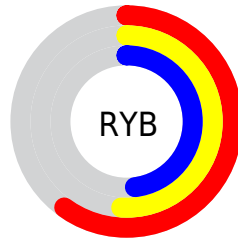
Distribution



Red (60%)

Green (50%)

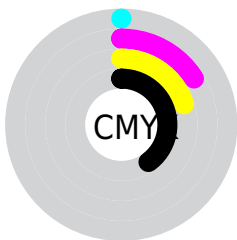
Blue (48%)



Red (60%)

Yellow (51%)

Blue (48%)

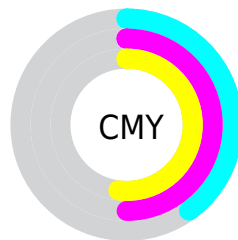


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (50%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3689, 23.6158, 21.6863 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 24.3689, 23.6158, 21.6863 by changing the saturation by 10% instead.

■ 24.3689, 23.6158,
21.6863

■ 24.3689, 23.6158,
21.6863

267.0862,
270.8723, 273.8035

■ 15.7337, 15.0489,
13.4305

■ 50.0818, 49.4025,
47.1225

■ 9.4256, 8.8537,
7.5914

■ 67.8903, 67.3911,
65.1399

■ 5.0791, 4.6459,
3.7506

■ 89.4872, 89.2890,
87.2483

■ 2.3290, 2.0410,
1.4896

115.2379,
115.4806, 113.8662

■ 0.8094, 0.6311,
0.2101

145.5079,
146.3504, 145.4121

■ 0.0000, 0.0000,
0.0000

180.6623,

182.2826, 182.3046

221.0667,
223.6618, 224.9622

■ 24.3689, 23.6158,
21.6863

■ 24.3689, 23.6158,
21.6863

■ 21.9821, 20.2417,
16.5760

■ 27.1020, 27.4432,
27.6489

■ 19.9257, 17.3008,
12.2776

■ 30.1925, 31.7364,
34.4990

■ 18.1854, 14.7764,
8.7495

■ 33.6536, 36.5118,
42.2713

■ 16.7450, 12.6494,
5.9458

■ 37.4971, 41.7835,
50.9983

■ 15.5871, 10.8993,
3.8157

■ 41.7344, 47.5656,
60.7112

■ 14.6921, 9.5036,
2.3018

■ 46.3762, 53.8712,
71.4393

■ 14.0378, 8.4373,
1.3369

■ 51.4330, 60.7132,
83.2109

■ 13.5918, 7.6822,
0.7664

■ 56.9148, 68.1037,
96.0534

■ 62.0650, 75.7484,
105.9575

Harmonies

Analogous

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



24.8932, 23.6158, 24.7175



24.3689, 23.6158, 21.6863



23.3340, 23.6158, 19.8586

Triad

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



24.3689, 23.6158, 21.6863



20.2959, 23.6158, 23.2844



22.8004, 23.6158, 33.0927

Complementary

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



24.3689, 23.6158, 21.6863



24.2093, 27.3042, 34.1314

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.



21.5811, 23.6158, 32.6192



24.3689, 23.6158, 21.6863



20.1649, 23.6158, 26.7361

Square

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



24.3689, 23.6158, 21.6863



20.9919, 23.6158, 20.7204



20.6272, 23.6158, 30.2109



23.9659, 23.6158, 31.4507

Rectangle

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



24.3689, 23.6158, 21.6863



22.5095, 23.6158, 19.4619



20.6272, 23.6158, 30.2109



22.3829, 23.6158, 33.1784

Sweetspot

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



24.3695, 23.6169, 21.6868



50.7499, 52.2293, 54.4011



25.3880, 22.8082, 30.7988



11.1363, 11.4357, 11.8579



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.3695, 23.6169, 21.6868



41.7675, 39.6514, 34.8001



26.5000, 27.8777, 22.3969



6.3008, 6.4068, 6.5104



11.2530, 6.3884, 0.6400



0.1891, 0.1373, 0.0165

Inverse Universe

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



24.2093, 27.3042, 34.1314



41.4292, 47.3920, 60.9360



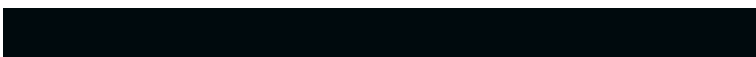
22.0025, 22.8906, 33.3958



6.2829, 6.8232, 7.9148



10.6674, 13.7315, 26.9959



0.1826, 0.2516, 0.4113

Previews

White Background



This preview shows how the XYZ color 24.3689, 23.6158, 21.6863 looks on a white background.

Color Contrast Check

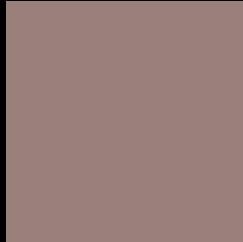
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3689, 23.6158, 21.6863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

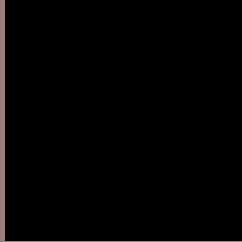
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3689, 23.6158, 21.6863

Background



This preview shows how black text looks on a background with the XYZ color 24.3689, 23.6158, 21.6863.



This preview shows how white text looks on a background with the XYZ color 24.3689, 23.6158,

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

24.3689, 23.6158, 21.6863

Protanopia

22.5704, 23.6590, 22.7791

Deuteranopia

24.1256, 23.6850, 21.7125



Tritanopia

25.4224, 23.6678, 26.5210

Trichromacy



Original Color

24.3689, 23.6158, 21.6863

Protanomaly

23.0821, 23.5275, 22.3935

Deuteranomaly

24.3120, 23.7811, 21.7212

Tritanomaly

25.0125, 23.6875, 24.7266

Monochromacy



Original Color

24.3689, 23.6158, 21.6863

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.4359, 23.8650, 24.4903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3689, 23.6158, 21.6863 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(153, 128, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 128, 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(153, 128, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 128, 122) }
```

Border

The CSS property to change the border of an element to XYZ 24.3689, 23.6158, 21.6863 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(153, 128, 122) }
```


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

```
.border{ border-color:rgb(153, 128, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 128, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 128, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 128, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 128,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3689, 23.6158, 21.6863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 128, 122) }
```

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

```
.background{ background-color: rgb(153,  
128, 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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