

Converting Colors

XYZ(24.3760, 23.6155, 21.9835)

Have a look what the booklet for
XYZ(24.3760, 23.6155, 21.9835)
contains.

XYZ(24.4312, 23.6407, 22.0143)	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(24.4312, 23.6407,
22.0143)**

Conversions

Conversions Part 1

Format	Color
Hex	99807B
RGB	153, 128, 123
RGB Percent	60%, 50%, 48%
CMY	0.4000, 0.4980, 0.5176
CMYK	0.00, 0.16, 0.20, 0.40
HSL	10°, 13%, 54%
HSV	10°, 20%, 60%
XYZ	24.4312, 23.6407, 22.0143
YIQ	134.9050, 16.5050, 3.7450

Conversions

Conversions Part 2

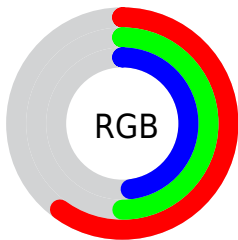
Format	Color
R_{YB}	153, 129, 123
Decimal	10059899
CIE _{Lab}	55.73, 8.75, 6.28
CIE _{LCh}	56, 10.768, 35.685
Yxy	23.6407, 0.3486, 0.3373
Android (android.graphics.Color)	4288249979 (0xFF99807B)
YUV	134.9050, -5.8692, 15.8693
Hunter-Lab	48.6217, 4.6038, 7.1906

Details

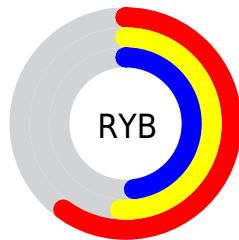
The XYZ color **24.4312, 23.6407, 22.0143** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.5079, 27.6900, 34.1902**, and the grayscale version is **23.0112, 24.2096, 26.3642**.

A 20% lighter version of the original color is **50.2742, 49.5528, 47.4724**, and **9.5115, 8.9112, 7.6973** is the 20% darker color. If you saturate the color by 10%, you get **21.9877, 20.1685, 16.8380**, and if you desaturate by 10%, it is **27.2346, 27.5929, 28.0497**.

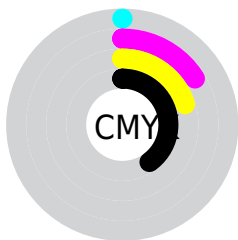
Distribution



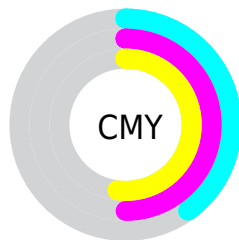
- Red (60%)
- Green (50%)
- Blue (48%)



- 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 24.4312, 23.6407, 22.0143 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 24.4312, 23.6407, 22.0143 by changing the saturation by 10% instead.

■ 24.4312, 23.6407,
22.0143

■ 24.4312, 23.6407,
22.0143

267.3935,
270.9989, 275.5769

■ 15.7803, 15.0673,
13.6690

■ 50.1825, 49.4432,
47.6721

■ 9.4587, 8.8666,
7.7547

■ 68.0136, 67.4412,
65.8217

■ 5.1010, 4.6543,
3.8529

■ 89.6354, 89.3494,
88.0765

■ 2.3420, 2.0459,
1.5450

115.4134,
115.5523, 114.8550

■ 0.8160, 0.6339,
0.2511

145.7128,
146.4344, 146.5757

■ 0.0000, 0.0000,
0.0000

180.8991,

182.3799, 183.6573

221.3375,
223.7732, 226.5181

■ 24.4312, 23.6407,
22.0143

■ 24.4312, 23.6407,
22.0143

■ 21.9877, 20.1685,
16.8380

■ 27.2346, 27.5929,
28.0497

■ 19.8876, 17.1547,
12.4803

■ 30.4099, 32.0389,
34.9793

■ 18.1159, 14.5812,
8.8995

■ 33.9707, 36.9964,
42.8380

■ 16.6556, 12.4271,
6.0496

■ 37.9295, 42.4808,
51.6585

■ 15.4882, 10.6699,
3.8800

■ 42.2981, 48.5072,
61.4719

■ 14.5933, 9.2850,
2.3333

■ 47.0879, 55.0898,
72.3077

■ 13.9476, 8.2451,
1.3427

■ 52.3098, 62.2426,
84.1945

■ 13.5100, 7.5132,
0.7554

■ 57.9744, 69.9787,
97.1594

■ 13.4957, 7.4899,
0.7344

■ 63.1600, 77.9384,
106.3225

Harmonies

Analogous

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



24.8879, 23.6407, 25.0804



24.4312, 23.6407, 22.0143



23.4504, 23.6407, 20.0866

Triad

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



24.4312, 23.6407, 22.0143



20.3974, 23.6407, 23.0702



22.7031, 23.6407, 33.0280

Complementary

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



24.4312, 23.6407, 22.0143



24.5079, 27.6900, 34.1902

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.



21.5169, 23.6407, 32.3672



24.4312, 23.6407, 22.0143



20.2136, 23.6407, 26.4125

Square

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



24.4312, 23.6407, 22.0143



21.1279, 23.6407, 20.6564



20.6162, 23.6407, 29.8655



23.8673, 23.6407, 31.5975

Rectangle

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



24.4312, 23.6407, 22.0143



22.6469, 23.6407, 19.6011



20.6162, 23.6407, 29.8655



22.2936, 23.6407, 33.0446

Sweetspot

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



24.4318, 23.6418, 22.0148



50.6808, 52.0912, 54.3781



25.5654, 23.0766, 31.1240



11.1197, 11.4025, 11.8524



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.



24.4318, 23.6418, 22.0148



41.5455, 39.2073, 34.7261



26.5347, 27.8476, 22.7158



6.2879, 6.3809, 6.5061



11.1716, 6.2255, 0.6128



0.1854, 0.1298, 0.0153

Inverse Universe

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



24.5079, 27.6900, 34.1902



41.7077, 47.9490, 61.0288



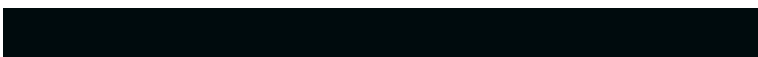
22.3059, 23.2862, 33.4563



6.2969, 6.8511, 7.9195



11.0972, 14.5911, 27.1392



0.1864, 0.2592, 0.4126

Previews

White Background



This preview shows how the XYZ color 24.4312, 23.6407, 22.0143 looks on a white background.

Color Contrast Check

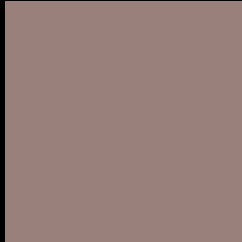
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4312, 23.6407, 22.0143 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 24.4312, 23.6407, 22.0143

Background



This preview shows how black text looks on a background with the XYZ color 24.4312, 23.6407, 22.0143.



This preview shows how white text looks on a background with the XYZ color 24.4312, 23.6407,

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

24.4312, 23.6407, 22.0143

Protanopia

22.6347, 23.6847, 23.1173

Deuteranopia

24.1879, 23.7099, 22.0405



Tritanopia

25.4224, 23.6678, 26.5210

Trichromacy



Original Color

24.4312, 23.6407, 22.0143

Protanomaly

23.1457, 23.5529, 22.7283

Deuteranomaly

24.3743, 23.8060, 22.0492

Tritanomaly

25.0125, 23.6875, 24.7266

Monochromacy



Original Color

24.4312, 23.6407, 22.0143

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.5033, 23.8920, 24.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4312, 23.6407, 22.0143 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, 123) looks like.

```
.text, #text, p{  
    color:rgb(153, 128, 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(153, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 128, 123) }
```

Border

The CSS property to change the border of an element to XYZ 24.4312, 23.6407, 22.0143 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, 123) }
```


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

```
.border{ border-color:rgb(153, 128, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(153, 128,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4312, 23.6407, 22.0143 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, 123) }
```

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

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