

Converting Colors

XYZ(24.5256, 23.7999, 22.1365)

Have a look what the booklet for
XYZ(24.5256, 23.7999, 22.1365)
contains.

XYZ(24.5623, 23.9029, 22.0580)	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(24.5623, 23.9029,
22.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	99817B
RGB	153, 129, 123
RGB Percent	60%, 51%, 48%
CMY	0.4000, 0.4941, 0.5176
CMYK	0.00, 0.16, 0.20, 0.40
HSL	12°, 13%, 54%
HSV	12°, 20%, 60%
XYZ	24.5623, 23.9029, 22.0580
YIQ	135.4920, 16.2300, 3.2220

Conversions

Conversions Part 2

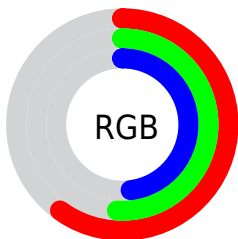
Format	Color
R_{YB}	153, 131, 123
Decimal	10060155
CIE _{Lab}	55.99, 8.17, 6.66
CIE _{LCh}	56, 10.544, 39.165
Yxy	23.9029, 0.3483, 0.3389
Android (android.graphics.Color)	4288250235 (0xFF99817B)
YUV	135.4920, -6.1586, 15.3545
Hunter-Lab	48.8906, 4.1186, 7.4735

Details

The XYZ color **24.5623, 23.9029, 22.0580** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.3517, 27.3776, 34.1382**, and the grayscale version is **23.2306, 24.4404, 26.6155**.

A 20% lighter version of the original color is **50.4782, 49.9609, 47.5404**, and **9.5842, 9.0565, 7.7215** is the 20% darker color. If you saturate the color by 10%, you get **22.1618, 20.5167, 16.8961**, and if you desaturate by 10%, it is **27.3069, 27.7374, 28.0738**.

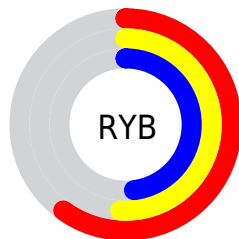
Distribution



Red (60%)

Green (51%)

Blue (48%)



Red (60%)

Yellow (51%)

Blue (48%)

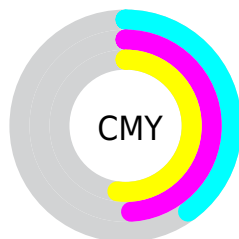


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (49%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5623, 23.9029, 22.0580 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 24.5623, 23.9029, 22.0580 by changing the saturation by 10% instead.

■ 24.5623, 23.9029,
22.0580

■ 24.5623, 23.9029,
22.0580

268.0391,
272.3292, 275.8124

■ 15.8782, 15.2616,
13.7008

■ 50.3943, 49.8717,
47.7453

■ 9.5283, 9.0032,
7.7765

■ 68.2729, 67.9680,
65.9124

■ 5.1472, 4.7433,
3.8666

■ 89.9471, 89.9848,
88.1866

■ 2.3695, 2.0974,
1.5524

115.7822,
116.3064, 114.9864

■ 0.8299, 0.6632,
0.2565

146.1436,
147.3172, 146.7303

■ 0.0000, 0.0000,
0.0000

181.3967,

183.4017, 183.8370

221.9067,
224.9442, 226.7248

■ 24.5623, 23.9029,
22.0580

■ 24.5623, 23.9029,
22.0580

■ 22.1618, 20.5167,
16.8961

■ 27.3069, 27.7374,
28.0738

■ 20.0898, 17.5591,
12.5477

■ 30.4066, 32.0324,
34.9782

■ 18.3323, 15.0140,
8.9716

■ 33.8744, 36.8037,
42.8059

■ 16.8733, 12.8626,
6.1222

■ 37.7218, 42.0655,
51.5893

■ 15.6958, 11.0851,
3.9492

■ 41.9601, 47.8312,
61.3592

■ 14.7805, 9.6595,
2.3957

■ 46.5999, 54.1138,
72.1451

■ 14.1059, 8.5617,
1.3954

■ 51.6514, 60.9258,
83.9750

■ 13.6328, 7.7587,
0.7963

■ 57.1247, 68.2793,
96.8762

■ 13.6170, 7.7324,
0.7748

■ 62.0975, 75.8133,
105.9683

Harmonies

Analogous

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



25.0829, 23.9029, 24.9839



24.5623, 23.9029, 22.0580



23.5527, 23.9029, 20.3064

Triad

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



24.5623, 23.9029, 22.0580



20.6225, 23.9029, 23.7377



23.0899, 23.9029, 33.1386

Complementary

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



24.5623, 23.9029, 22.0580



24.3517, 27.3776, 34.1382

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.



21.9052, 23.9029, 32.7303



24.5623, 23.9029, 22.0580



20.5085, 23.9029, 27.0970

Square

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



24.5623, 23.9029, 22.0580



21.2875, 23.9029, 21.2150



20.9703, 23.9029, 30.4439



24.2132, 23.9029, 31.5148

Rectangle

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



24.5623, 23.9029, 22.0580



22.7527, 23.9029, 19.9416



20.9703, 23.9029, 30.4439



22.6853, 23.9029, 33.2374

Sweetspot

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



24.5629, 23.9040, 22.0585



50.7665, 52.2625, 54.4066



25.4866, 23.0451, 30.7089



11.1403, 11.4437, 11.8592



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.



24.5629, 23.9040, 22.0585



41.8212, 39.7588, 34.8180



26.6855, 28.1492, 22.7660



6.3040, 6.4130, 6.5114



11.2742, 6.4308, 0.6470



0.1900, 0.1391, 0.0168

Inverse Universe

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



24.3517, 27.3776, 34.1382



41.3627, 47.2589, 60.9138



22.1697, 23.0137, 33.4108



6.2796, 6.8165, 7.9137



10.5668, 13.5302, 26.9624



0.1817, 0.2498, 0.4110

Previews

White Background



This preview shows how the XYZ color 24.5623, 23.9029, 22.0580 looks on a white background.

Color Contrast Check

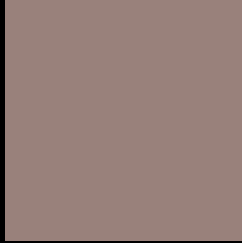
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5623, 23.9029, 22.0580 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 24.5623, 23.9029, 22.0580

Background



This preview shows how black text looks on a background with the XYZ color 24.5623, 23.9029, 22.0580.



This preview shows how white text looks on a background with the XYZ color 24.5623, 23.9029,

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

24.5623, 23.9029, 22.0580

Protanopia

22.9385, 24.0455, 23.1709

Deuteranopia

24.5067, 24.0707, 22.0934



Tritanopia

25.6223, 23.9534, 26.9399

Trichromacy



Original Color

24.5623, 23.9029, 22.0580

Protanomaly

23.4545, 23.9125, 22.7814

Deuteranomaly

24.5067, 24.0707, 22.0934

Tritanomaly

25.2105, 23.9743, 25.1286

Monochromacy



Original Color

24.5623, 23.9029, 22.0580

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.6396, 24.1645, 24.8910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5623, 23.9029, 22.0580 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, 129, 123)` looks like.

```
.text, #text, p{  
    color:rgb(153, 129, 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, 129, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 129, 123) }
```

Border

The CSS property to change the border of an element to XYZ 24.5623, 23.9029, 22.0580 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, 129, 123) }
```


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

```
.border{ border-color:rgb(153, 129, 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, 129, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 129, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 129, 123);  
box-shadow:4px 4px 4px 4px rgb(153, 129,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5623, 23.9029, 22.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 129, 123) }
```

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

```
.background{ background-color: rgb(153,  
129, 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](#).

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