

Converting Colors

XYZ(23.3924, 23.3593, 10.4836)

Have a look what the booklet for
XYZ(23.3924, 23.3593, 10.4836)
contains.

XYZ(23.3924, 23.3593, 10.4836)	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(23.3924, 23.3593,
10.4836)**

Conversions

Conversions Part 1

Format	Color
Hex	9F804E
RGB	159, 128, 78
RGB Percent	62%, 50%, 31%
CMY	0.3765, 0.4980, 0.6941
CMYK	0.00, 0.19, 0.51, 0.38
HSL	37°, 34%, 46%
HSV	37°, 51%, 62%
XYZ	23.3924, 23.3593, 10.4836
YIQ	131.5690, 34.5260, -8.9780

Conversions

Conversions Part 2

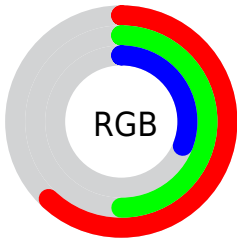
Format	Color
R_{YB}	128, 159, 78
Decimal	10453070
CIE Lab	55.44, 5.41, 31.51
CIE LCh	55, 31.967, 80.263
Yxy	23.3593, 0.4087, 0.4081
Android (android.graphics.Color)	4288643150 (0xFF9F804E)
YUV	131.5690, -26.4095, 24.0570
Hunter-Lab	48.3315, 1.8138, 20.9714

Details

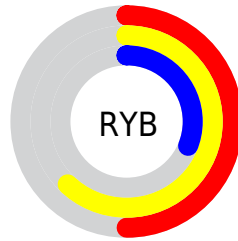
The XYZ color **23.3924, 23.3593, 10.4836** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.8684, 15.0597, 34.9240**, and the grayscale version is **21.8607, 22.9992, 25.0461**.

A 20% lighter version of the original color is **48.4445, 49.0533, 27.3370**, and **8.8824, 8.6995, 2.5775** is the 20% darker color. If you saturate the color by 10%, you get **22.1200, 21.6192, 7.5791**, and if you desaturate by 10%, it is **24.8514, 25.2520, 14.1308**.

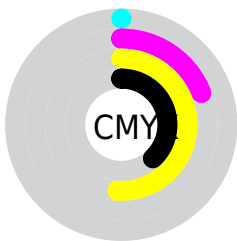
Distribution



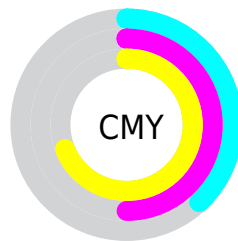
- Red (62%)
- Green (50%)
- Blue (31%)



- Red (50%)
- Yellow (62%)
- Blue (31%)



- Cyan (0%)
- Magenta (19%)
- Yellow (51%)
- Black (38%)



- Cyan (38%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3924, 23.3593, 10.4836 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 23.3924, 23.3593, 10.4836 by changing the saturation by 10% instead.

■ 23.3924, 23.3593,
10.4836

■ 23.3924, 23.3593,
10.4836

262.2319,
269.5651, 204.6982

■ 15.0058, 14.8590,
5.6110

■ 48.4988, 48.9826,
27.3231

■ 8.9098, 8.7205,
2.5451

■ 65.9493, 66.8745,
40.1271

■ 4.7390, 4.5593,
0.8639

■ 87.1518, 88.6657,
56.4120

■ 2.1281, 1.9911,
0.0000

■ 112.4717,
114.7405, 76.5962

■ 0.7044, 0.6023,
0.0000

■ 142.2743,
145.4835, 101.0985

■ 0.0000, 0.0000,
0.0000

176.9249,

181.2790, 130.3372

216.7890,
222.5114, 164.7309

■ 23.3924, 23.3593,
10.4836

■ 23.3924, 23.3593,
10.4836

■ 22.1200, 21.6192,
7.5791

■ 24.8514, 25.2520,
14.1308

■ 21.0216, 20.0226,
5.3624

■ 26.5051, 27.2992,
18.5675

■ 20.0853, 18.5643,
3.7732

■ 28.3633, 29.5068,
23.8383

■ 19.2969, 17.2373,
2.7400

■ 30.4345, 31.8796,
29.9839

■ 18.6803, 16.1354,
2.1299

■ 32.7265, 34.4219,
37.0424

■ 35.2469, 37.1378,
45.0497

■ 38.0027, 40.0314,
54.0397

■ 41.0008, 43.1064,
64.0445

■ 44.2477, 46.3666,
75.0950

Harmonies

Analogous

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



26.9223, 23.3593, 13.0433



23.3924, 23.3593, 10.4836



19.8927, 23.3593, 11.0130

Triad

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



23.3924, 23.3593, 10.4836



16.3269, 23.3593, 32.9274



27.9552, 23.3593, 40.3098

Complementary

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



23.3924, 23.3593, 10.4836



14.8684, 15.0597, 34.9240

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.



24.6841, 23.3593, 48.9013



23.3924, 23.3593, 10.4836



18.0690, 23.3593, 43.9035

Square

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



23.3924, 23.3593, 10.4836



16.0609, 23.3593, 22.2300



21.0533, 23.3593, 50.3696



29.7383, 23.3593, 28.9326

Rectangle

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



23.3924, 23.3593, 10.4836



18.0266, 23.3593, 13.1183



21.0533, 23.3593, 50.3696



26.9777, 23.3593, 43.7356

Sweetspot

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



23.3930, 23.3604, 10.4841



52.8469, 55.2113, 48.7218



19.7856, 13.9251, 16.1274



11.7488, 12.2576, 10.4941



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3930, 23.3604, 10.4841



39.3592, 38.3563, 13.0263



26.2684, 31.7878, 11.9592



6.9568, 7.2935, 7.0268



14.7955, 12.8266, 1.6960



0.3044, 0.3091, 0.0436

Inverse Universe

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



14.8684, 15.0597, 34.9240



22.3827, 21.8526, 61.7817



12.9552, 10.0002, 34.0483



6.4824, 6.8306, 8.3835



6.2922, 4.6759, 26.4781



0.1519, 0.1625, 0.4866

Previews

White Background



This preview shows how the XYZ color 23.3924, 23.3593, 10.4836 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 23.3924, 23.3593, 10.4836 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 23.3924, 23.3593, 10.4836

Background



This preview shows how black text looks on a background with the XYZ color 23.3924, 23.3593, 10.4836.



This preview shows how white text looks on a background with the XYZ color 23.3924, 23.3593,

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

23.3924, 23.3593, 10.4836

Protanopia

21.5126, 23.3740, 10.9672

Deuteranopia

23.8648, 23.4102, 10.4685



Tritanopia

26.3661, 23.4503, 24.6094

Trichromacy



Original Color

23.3924, 23.3593, 10.4836

Protanomaly

22.1053, 23.2811, 10.7258

Deuteranomaly

23.6625, 23.3059, 10.4591

Tritanomaly

25.0326, 23.2665, 18.5008

Monochromacy



Original Color

23.3924, 23.3593, 10.4836

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1963, 23.1532, 18.6284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3924, 23.3593, 10.4836 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(159, 128, 78)` looks like.

```
.text, #text, p{  
    color:rgb(159, 128, 78)  
}
```

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(159, 128, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 128, 78) }
```

Border

The CSS property to change the border of an element to XYZ 23.3924, 23.3593, 10.4836 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(159, 128, 78) }
```


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

```
.border{ border-color:rgb(159, 128, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 128, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 128, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 128, 78);  
box-shadow:4px 4px 4px 4px rgb(159, 128,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3924, 23.3593, 10.4836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 128, 78) }
```

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

```
.background{ background-color: rgb(159,  
128, 78) }
```

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