

Converting Colors

XYZ(23.2970, 23.4982, 15.2736)

Have a look what the booklet for
XYZ(23.2970, 23.4982, 15.2736)
contains.

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Color

**XYZ(23.4198, 23.6577,
15.3886)**

Conversions

Conversions Part 1

Format	Color
Hex	998264
RGB	153, 130, 100
RGB Percent	60%, 51%, 39%
CMY	0.4000, 0.4902, 0.6078
CMYK	0.00, 0.15, 0.35, 0.40
HSL	34°, 21%, 50%
HSV	34°, 35%, 60%
XYZ	23.4198, 23.6577, 15.3886
YIQ	133.4570, 23.3380, -4.4540

Conversions

Conversions Part 2

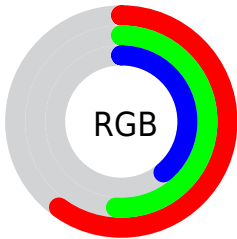
Format	Color
RYB	141, 153, 100
Decimal	10060388
CIELab	55.74, 4.22, 19.52
CIELCh	56, 19.969, 77.791
Yxy	23.6577, 0.3749, 0.3787
Android (android.graphics.Color)	4288250468 (0xFF998264)
YUV	133.4570, -16.4943, 17.1392
Hunter-Lab	48.6392, 0.8293, 15.2891

Details

The XYZ color **23.4198, 23.6577, 15.3886** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.0881, 19.1746, 32.8849**, and the grayscale version is **22.5140, 23.6864, 25.7945**.

A 20% lighter version of the original color is **48.5318, 49.5112, 36.2769**, and **8.9519, 8.9086, 4.6159** is the 20% darker color. If you saturate the color by 10%, you get **21.8931, 21.6802, 11.5630**, and if you desaturate by 10%, it is **25.1438, 25.8070, 19.9667**.

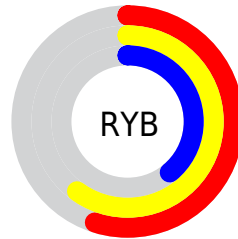
Distribution



Red (60%)

Green (51%)

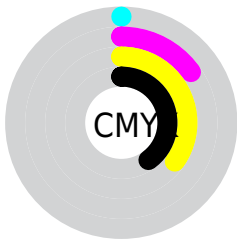
Blue (39%)



Red (55%)

Yellow (60%)

Blue (39%)

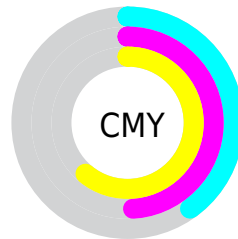


Cyan (0%)

Magenta (15%)

Yellow (35%)

Black (40%)



Cyan (40%)

Magenta (49%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4198, 23.6577, 15.3886 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 23.4198, 23.6577, 15.3886 by changing the saturation by 10% instead.

■ 23.4198, 23.6577,
15.3886

■ 23.4198, 23.6577,
15.3886

262.3692,
271.0853, 237.4277

■ 15.0262, 15.0799,
8.9429

■ 48.5433, 49.4710,
36.2854

■ 8.9242, 8.8755,
4.6077

■ 66.0039, 67.4754,
51.5735

■ 4.7485, 4.6600,
1.9643

■ 87.2176, 89.3906,
70.6463

■ 2.1337, 2.0492,
0.5332

■ 112.5497,
115.6013, 93.9222

■ 0.7074, 0.6358,
0.0000

142.3655,
146.4917, 121.8197

■ 0.0000, 0.0000,
0.0000

177.0305,

182.4462, 154.7574

216.9099,
223.8493, 193.1539

■ 23.4198, 23.6577,
15.3886

■ 23.4198, 23.6577,
15.3886

■ 21.8931, 21.6802,
11.5630

■ 25.1438, 25.8070,
19.9667

■ 20.5531, 19.8660,
8.4470

■ 27.0714, 28.1297,
25.3340

■ 19.3906, 18.2105,
5.9955

■ 29.2111, 30.6318,
31.5268

■ 18.3949, 16.7076,
4.1576

■ 31.5702, 33.3175,
38.5783

■ 17.5539, 15.3507,
2.8750

■ 34.1554, 36.1913,
46.5203

■ 16.8526, 14.1317,
2.0750

■ 36.9734, 39.2573,
55.3825

■ 16.5139, 13.5263,
1.7405

■ 40.0304, 42.5194,
65.1937

■ 43.3325, 45.9816,
75.9811

■ 46.8855, 49.6474,
87.7709

Harmonies

Analogous

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



25.5413, 23.6577, 17.5795



23.4198, 23.6577, 15.3886



21.1810, 23.6577, 15.6127

Triad

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



23.4198, 23.6577, 15.3886



18.5880, 23.6577, 29.7622



25.8693, 23.6577, 35.0827

Complementary

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



23.4198, 23.6577, 15.3886



18.0881, 19.1746, 32.8849

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.



23.8433, 23.6577, 39.5577



23.4198, 23.6577, 15.3886



19.6845, 23.6577, 36.1488

Square

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



23.4198, 23.6577, 15.3886



18.4914, 23.6577, 23.2099



21.5772, 23.6577, 39.9777



27.0179, 23.6577, 28.4886

Rectangle

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



23.4198, 23.6577, 15.3886



19.9208, 23.6577, 17.1047



21.5772, 23.6577, 39.9777



25.2623, 23.6577, 36.9293

Sweetspot

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



23.4204, 23.6588, 15.3891



50.1363, 52.3274, 50.1109



21.3229, 17.3384, 21.2421



10.9633, 11.4285, 10.7558



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.



23.4204, 23.6588, 15.3891



39.6777, 39.4459, 21.8517



26.3338, 30.2200, 16.5020



6.4843, 6.7737, 6.5715



13.6820, 11.2464, 1.4497



0.2407, 0.2404, 0.0337

Inverse Universe

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



18.0881, 19.1746, 32.8849



28.5800, 30.1181, 58.2790



15.8606, 14.2774, 32.0570



6.0939, 6.4452, 7.8518



6.4131, 5.2228, 25.5778



0.1311, 0.1485, 0.3941

Previews

White Background



This preview shows how the XYZ color 23.4198, 23.6577, 15.3886 looks on a white background.

Color Contrast Check

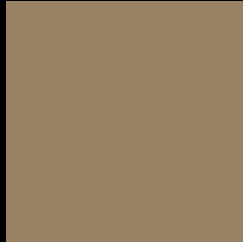
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4198, 23.6577, 15.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

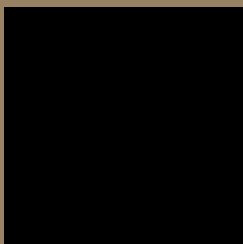
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

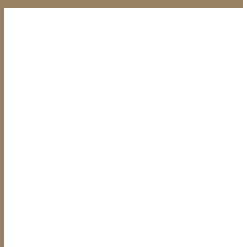
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4198, 23.6577, 15.3886

Background



This preview shows how black text looks on a background with the XYZ color 23.4198, 23.6577, 15.3886.



This preview shows how white text looks on a background with the XYZ color 23.4198, 23.6577,

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

23.4198, 23.6577, 15.3886

Protanopia

22.2511, 23.8491, 16.0010

Deuteranopia

24.1200, 23.6275, 15.3459



Tritanopia

25.6114, 23.5846, 26.1241

Trichromacy



Original Color

23.4198, 23.6577, 15.3886

Protanomaly

22.7691, 23.9177, 15.7284

Deuteranomaly

23.8608, 23.6885, 15.3713

Tritanomaly

24.8125, 23.6518, 21.6698

Monochromacy



Original Color

23.4198, 23.6577, 15.3886

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5177, 23.4585, 21.4303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4198, 23.6577, 15.3886 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, 130, 100)` looks like.

```
.text, #text, p{  
    color:rgb(153, 130, 100)  
}
```

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, 130, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 130, 100) }
```

Border

The CSS property to change the border of an element to XYZ 23.4198, 23.6577, 15.3886 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, 130, 100) }
```


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

```
.border{ border-color:rgb(153, 130, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 130, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 130, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 130, 100);  
box-shadow:4px 4px 4px 4px rgb(153, 130,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4198, 23.6577, 15.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 130, 100) }
```

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

```
.background{ background-color: rgb(153,  
130, 100) }
```

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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