

Converting Colors

XYZ(23.6564, 23.4983, 19.2386)

Have a look what the booklet for
XYZ(23.6564, 23.4983, 19.2386)
contains.

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Color

**XYZ(23.6500, 23.4947,
19.2080)**

Conversions

Conversions Part 1

Format	Color
Hex	978172
RGB	151, 129, 114
RGB Percent	59%, 51%, 45%
CMY	0.4078, 0.4941, 0.5529
CMYK	0.00, 0.15, 0.25, 0.41
HSL	24°, 15%, 52%
HSV	24°, 25%, 59%
XYZ	23.6500, 23.4947, 19.2080
YIQ	133.8680, 17.9270, -0.0010

Conversions

Conversions Part 2

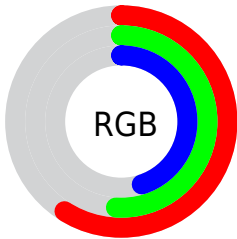
Format	Color
R_{YB}	151, 139, 114
Decimal	9929074
CIE _{Lab}	55.58, 5.96, 11.24
CIE _{LCh}	56, 12.724, 62.076
Y _{xy}	23.4947, 0.3564, 0.3541
Android (android.graphics.Color)	4288119154 (0xFF978172)
YUV	133.8680, -9.7949, 15.0248
Hunter-Lab	48.4713, 2.2684, 10.4348

Details

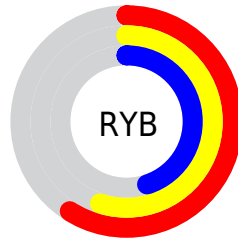
The XYZ color **23.6500, 23.4947, 19.2080** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.3293, 23.4195, 32.6745**, and the grayscale version is **22.6422, 23.8214, 25.9415**.

A 20% lighter version of the original color is **49.0645, 49.3309, 43.0122**, and **9.1076, 8.8400, 6.3805** is the 20% darker color. If you saturate the color by 10%, you get **21.7296, 20.9176, 14.6718**, and if you desaturate by 10%, it is **25.8175, 26.3385, 24.5272**.

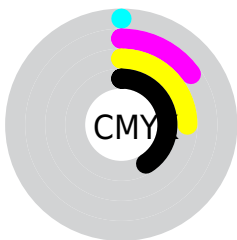
Distribution



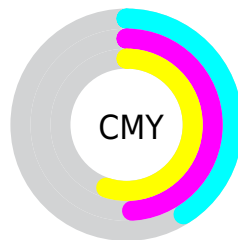
- Red (59%)
- Green (51%)
- Blue (45%)



- Red (59%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (25%)
- Black (41%)



- Cyan (41%)
- Magenta (49%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6500, 23.4947, 19.2080 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 23.6500, 23.4947, 19.2080 by changing the saturation by 10% instead.

■ 23.6500, 23.4947,
19.2080

■ 23.6500, 23.4947,
19.2080

263.5196,
270.2558, 260.0555

■ 15.1975, 14.9592,
11.6423

■ 48.9173, 49.2044,
42.9266

■ 9.0453, 8.7908,
6.3811

■ 66.4628, 67.1473,
59.9167

■ 4.8281, 4.6050,
3.0056

■ 87.7701, 88.9949,
80.8853

■ 2.1805, 2.0174,
1.0975

■ 113.2044,
115.1315, 106.2510

■ 0.7324, 0.6176,
0.0000

143.1312,
145.9415, 136.4324

■ 0.0000, 0.0000,
0.0000

177.9157,

181.8093, 171.8479

217.9234,
223.1192, 212.9161

■ 23.6500, 23.4947,
19.2080

■ 23.6500, 23.4947,
19.2080

■ 21.7296, 20.9176,
14.6718

■ 25.8175, 26.3385,
24.5272

■ 20.0448, 18.5960,
10.8796

■ 28.2392, 29.4535,
30.6629

■ 18.5860, 16.5223,
7.7912

■ 30.9243, 32.8482,
37.6485

■ 17.3418, 14.6874,
5.3620

■ 33.8810, 36.5297,
45.5149

■ 16.3000, 13.0815,
3.5423

■ 37.1171, 40.5047,
54.2917

■ 15.4469, 11.6941,
2.2749

■ 40.6399, 44.7799,
64.0069

■ 14.7658, 10.5131,
1.4894

■ 44.4566, 49.3615,
74.6874

■ 14.4435, 9.9413,
1.1576

■ 48.5742, 54.2558,
86.3591

■ 52.9992, 59.4688,
99.0466

Harmonies

Analogous

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



24.7548, 23.4947, 21.6057



23.6500, 23.4947, 19.2080



22.2311, 23.4947, 18.4611

Triad

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



23.6500, 23.4947, 19.2080



19.6822, 23.4947, 25.8694



23.8306, 23.4947, 32.8892

Complementary

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



23.6500, 23.4947, 19.2080



21.3293, 23.4195, 32.6745

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.



22.4312, 23.4947, 34.3318



23.6500, 23.4947, 19.2080



20.0708, 23.4947, 30.0179

Square

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



23.6500, 23.4947, 19.2080



19.9777, 23.4947, 22.0523



21.0620, 23.4947, 33.2292



24.8622, 23.4947, 29.4690

Rectangle

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



23.6500, 23.4947, 19.2080



21.3087, 23.4947, 18.9275



21.0620, 23.4947, 33.2292



23.3856, 23.4947, 33.6371

Sweetspot

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



23.6506, 23.4958, 19.2085



49.3838, 51.2281, 51.8700



23.2382, 20.3975, 26.0797



11.1716, 11.5760, 11.6552



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.



23.6506, 23.4958, 19.2085



40.5544, 39.6751, 30.1035



26.2804, 28.7552, 20.0851



6.4042, 6.6134, 6.5448



12.3141, 8.5106, 0.9937



0.2184, 0.1959, 0.0263

Inverse Universe

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



21.3293, 23.4195, 32.6745



35.7132, 39.5130, 58.1782



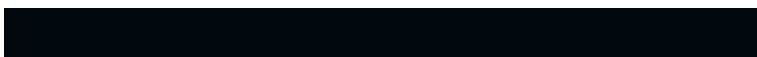
18.9688, 18.6984, 31.8877



6.1744, 6.6061, 7.8786



7.8745, 8.1457, 26.0649



0.1533, 0.1930, 0.4015

Previews

White Background



This preview shows how the XYZ color 23.6500, 23.4947, 19.2080 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 23.6500, 23.4947, 19.2080 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 23.6500, 23.4947, 19.2080

Background



This preview shows how black text looks on a background with the XYZ color 23.6500, 23.4947, 19.2080.

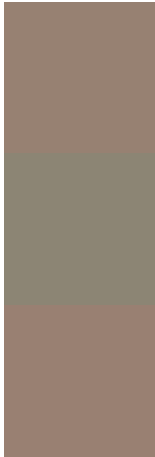


This preview shows how white text looks on a background with the XYZ color 23.6500, 23.4947,

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

23.6500, 23.4947, 19.2080

Protanopia

22.3551, 23.6115, 19.9022

Deuteranopia

23.8933, 23.4256, 19.1819



Tritanopia

25.2312, 23.5693, 26.5121

Trichromacy



Original Color

23.6500, 23.4947, 19.2080

Protanomaly

22.8474, 23.6696, 19.5842

Deuteranomaly

23.7053, 23.3286, 19.1731

Tritanomaly

24.6225, 23.5096, 23.6621

Monochromacy



Original Color

23.6500, 23.4947, 19.2080

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8972, 23.6103, 23.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6500, 23.4947, 19.2080 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(151, 129, 114)` looks like.

```
.text, #text, p{  
    color:rgb(151, 129, 114)  
}
```

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(151, 129, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 129, 114) }
```

Border

The CSS property to change the border of an element to XYZ 23.6500, 23.4947, 19.2080 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(151, 129, 114) }
```


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

```
.border{ border-color:rgb(151, 129, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 129, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 129, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 129, 114);  
box-shadow:4px 4px 4px 4px rgb(151, 129,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6500, 23.4947, 19.2080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 129, 114) }
```

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

```
.background{ background-color: rgb(151,  
129, 114) }
```

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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