

Converting Colors

XYZ(23.4849, 23.5041, 19.3997)

Have a look what the booklet for
XYZ(23.4849, 23.5041, 19.3997)
contains.

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Color

**XYZ(23.6548, 23.6871,
19.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	968273
RGB	150, 130, 115
RGB Percent	59%, 51%, 45%
CMY	0.4118, 0.4902, 0.5490
CMYK	0.00, 0.13, 0.23, 0.41
HSL	26°, 14%, 52%
HSV	26°, 23%, 59%
XYZ	23.6548, 23.6871, 19.5450
YIQ	134.2700, 16.7350, -0.4250

Conversions

Conversions Part 2

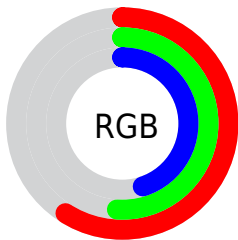
Format	Color
R_{YB}	150, 141, 115
Decimal	9863795
CIE _{Lab}	55.77, 5.14, 10.93
CIE _{LCh}	56, 12.075, 64.806
Yxy	23.6871, 0.3537, 0.3541
Android (android.graphics.Color)	4288053875 (0xFF968273)
YUV	134.2700, -9.5001, 13.7952
Hunter-Lab	48.6694, 1.5850, 10.2585

Details

The XYZ color **23.6548, 23.6871, 19.5450** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.2390, 23.1741, 32.2079**, and the grayscale version is **22.7894, 23.9762, 26.1101**.

A 20% lighter version of the original color is **49.0854, 49.6361, 43.5529**, and **9.1011, 8.9428, 6.5566** is the 20% darker color. If you saturate the color by 10%, you get **21.7682, 21.1846, 14.9986**, and if you desaturate by 10%, it is **25.7781, 26.4379, 24.8639**.

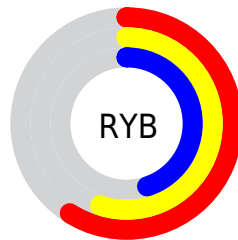
Distribution



Red (59%)

Green (51%)

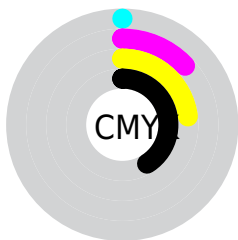
Blue (45%)



Red (59%)

Yellow (55%)

Blue (45%)

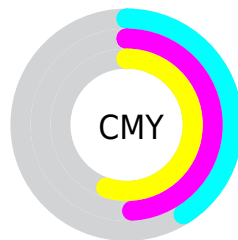


Cyan (0%)

Magenta (13%)

Yellow (23%)

Black (41%)



Cyan (41%)

Magenta (49%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6548, 23.6871, 19.5450 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 23.6548, 23.6871, 19.5450 by changing the saturation by 10% instead.

■ 23.6548, 23.6871,
19.5450

■ 23.6548, 23.6871,
19.5450

263.5436,
271.2347, 261.9634

■ 15.2011, 15.1017,
11.8840

■ 48.9251, 49.5191,
43.5019

■ 9.0479, 8.8908,
6.5431

■ 66.4724, 67.5345,
60.6349

■ 4.8298, 4.6700,
3.1040

■ 87.7816, 89.4620,
81.7622

■ 2.1815, 2.0550,
1.1480

113.2180,
115.6859, 107.3024

■ 0.7329, 0.6391,
0.0000

143.1471,
146.5908, 137.6741

■ 0.0000, 0.0000,
0.0000

177.9341,

182.5610, 173.2958

217.9445,
223.9808, 214.5861

■ 23.6548, 23.6871,
19.5450

■ 23.6548, 23.6871,
19.5450

■ 21.7682, 21.1846,
14.9986

■ 25.7781, 26.4379,
24.8639

■ 20.1074, 18.9198,
11.1867

■ 28.1448, 29.4407,
30.9878

■ 18.6632, 16.8861,
8.0702

■ 30.7635, 32.7032,
37.9492

■ 17.4250, 15.0753,
5.6060

■ 33.6421, 36.2320,
45.7784

■ 16.3814, 13.4785,
3.7458

■ 36.7877, 40.0331,
54.5041

■ 15.5192, 12.0863,
2.4347

■ 40.2076, 44.1125,
64.1538

■ 14.8235, 10.8880,
1.6075

■ 43.9084, 48.4759,
74.7536

■ 14.4280, 10.1847,
1.2054

■ 47.8966, 53.1290,
86.3287

■ 52.1787, 58.0771,
98.9034

Harmonies

Analogous

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



24.7485, 23.6871, 21.7173



23.6548, 23.6871, 19.5450



22.2937, 23.6871, 18.9757

Triad

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



23.6548, 23.6871, 19.5450



19.9878, 23.6871, 26.4290



24.0524, 23.6871, 32.5002

Complementary

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



23.6548, 23.6871, 19.5450



21.2390, 23.1741, 32.2079

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.



22.7355, 23.6871, 34.0698



23.6548, 23.6871, 19.5450



20.4180, 23.6871, 30.3452

Square

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



23.6548, 23.6871, 19.5450



20.2117, 23.6871, 22.7090



21.4102, 23.6871, 33.2438



24.9845, 23.6871, 29.1404

Rectangle

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



23.6548, 23.6871, 19.5450



21.4259, 23.6871, 19.5271



21.4102, 23.6871, 33.2438



23.6381, 23.6871, 33.2694

Sweetspot

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



23.6554, 23.6882, 19.5455



48.0282, 49.8863, 50.4028



23.1112, 20.5068, 25.8161



10.5966, 10.9958, 11.0477



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.6554, 23.6882, 19.5455



39.9575, 39.4450, 30.1396



26.1190, 28.6153, 20.3667



5.9930, 6.1998, 6.1213



11.9970, 8.5084, 1.0100



0.1751, 0.1607, 0.0218

Inverse Universe

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



21.2390, 23.1741, 32.2079



34.9283, 38.3733, 56.4871



19.0442, 18.7844, 31.4762



5.7580, 6.1499, 7.3533



7.3382, 7.3712, 24.9671



0.1191, 0.1489, 0.3154

Previews

White Background



This preview shows how the XYZ color 23.6548, 23.6871, 19.5450 looks on a white background.

Color Contrast Check

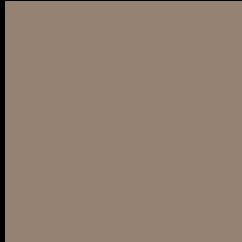
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6548, 23.6871, 19.5450 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

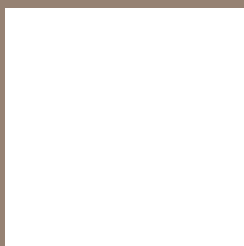
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6548, 23.6871, 19.5450

Background



This preview shows how black text looks on a background with the XYZ color 23.6548, 23.6871, 19.5450.



This preview shows how white text looks on a background with the XYZ color 23.6548, 23.6871,

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

23.6548, 23.6871, 19.5450

Protanopia

22.4136, 23.6349, 20.2103

Deuteranopia

24.0816, 23.7106, 19.5270



Tritanopia

25.2416, 23.7572, 26.9221

Trichromacy



Original Color

23.6548, 23.6871, 19.5450

Protanomaly

22.9052, 23.6928, 19.8889

Deuteranomaly

23.8937, 23.6137, 19.5182

Tritanomaly

24.6305, 23.6987, 24.0450

Monochromacy



Original Color

23.6548, 23.6871, 19.5450

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.0335, 23.8828, 23.4745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6548, 23.6871, 19.5450 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(150, 130, 115)` looks like.

```
.text, #text, p{  
    color:rgb(150, 130, 115)  
}
```

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(150, 130, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 130, 115) }
```

Border

The CSS property to change the border of an element to XYZ 23.6548, 23.6871, 19.5450 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(150, 130, 115) }
```


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

```
.border{ border-color:rgb(150, 130, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 130, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 130, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 130, 115);  
box-shadow:4px 4px 4px 4px rgb(150, 130,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6548, 23.6871, 19.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 130, 115) }
```

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

```
.background{ background-color: rgb(150,  
130, 115) }
```

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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