

Converting Colors

XYZ(23.7129, 23.7755, 23.7297)

Have a look what the booklet for
XYZ(23.7129, 23.7755, 23.7297)
contains.

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Color

**XYZ(23.6896, 23.8109,
23.7695)**

Conversions

Conversions Part 1

Format	Color
Hex	918380
RGB	145, 131, 128
RGB Percent	57%, 51%, 50%
CMY	0.4314, 0.4863, 0.4980
CMYK	0.00, 0.10, 0.12, 0.43
HSL	11°, 7%, 54%
HSV	11°, 12%, 57%
XYZ	23.6896, 23.8109, 23.7695
YIQ	134.8440, 9.3070, 2.0350

Conversions

Conversions Part 2

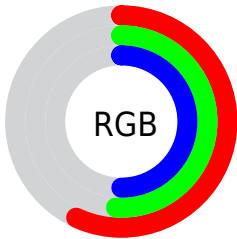
Format	Color
R_{YB}	145, 132, 128
Decimal	9536384
CIE _{Lab}	55.90, 4.76, 3.54
CIE _{LCh}	56, 5.927, 36.637
Yxy	23.8109, 0.3324, 0.3341
Android (android.graphics.Color)	4287726464 (0xFF918380)
YUV	134.8440, -3.3741, 8.9068
Hunter-Lab	48.7964, 1.2642, 5.2764

Details

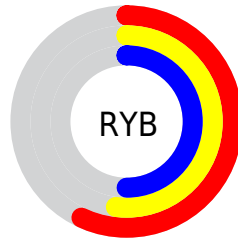
The XYZ color **23.6896, 23.8109, 23.7695** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.6857, 25.9788, 30.5542**, and the grayscale version is **22.9816, 24.1784, 26.3303**.

A 20% lighter version of the original color is **49.0342, 49.7593, 50.7362**, and **9.0447, 8.9788, 8.6535** is the 20% darker color. If you saturate the color by 10%, you get **21.2906, 20.4325, 18.5928**, and if you desaturate by 10%, it is **26.4111, 27.6155, 29.7272**.

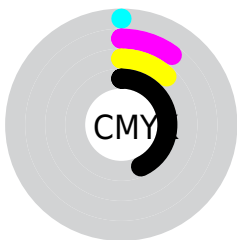
Distribution



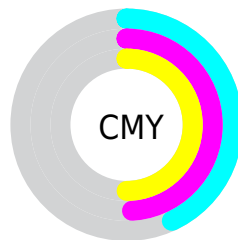
- Red (57%)
- Green (51%)
- Blue (50%)



- Red (57%)
- Yellow (52%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (12%)
- Black (43%)



- Cyan (43%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6896, 23.8109, 23.7695 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 23.6896, 23.8109, 23.7695 by changing the saturation by 10% instead.

■ 23.6896, 23.8109,
23.7695

■ 23.6896, 23.8109,
23.7695

263.7171,
271.8631, 284.9020

■ 15.2270, 15.1934,
14.9521

■ 48.9816, 49.7214,
50.5929

■ 9.0662, 8.9552,
8.6395

■ 66.5417, 67.7833,
69.4360

■ 4.8419, 4.7120,
4.4132

■ 87.8650, 89.7620,
92.4581

■ 2.1886, 2.0793,
1.8547

113.3168,
116.0420, 120.0776

■ 0.7367, 0.6529,
0.4637

143.2626,
147.0078, 152.7133

■ 0.0000, 0.0000,
0.0000

178.0677,

183.0436, 190.7835

218.0974,
224.5339, 234.7069

■ 23.6896, 23.8109,
23.7695

■ 23.6896, 23.8109,
23.7695

■ 21.2906, 20.4325,
18.5928

■ 26.4111, 27.6155,
29.7272

■ 19.2002, 17.4625,
14.1633

■ 29.4646, 31.8573,
36.4949

■ 17.4062, 14.8861,
10.4467

■ 32.8614, 36.5506,
44.1020

■ 15.8950, 12.6867,
7.4055

■ 36.6118, 41.7084,
52.5759

■ 14.6518, 10.8465,
4.9991

■ 40.7259, 47.3429,
61.9428

■ 13.6605, 9.3462,
3.1819

■ 45.2130, 53.4661,
72.2278

■ 12.9031, 8.1645,
1.9027

■ 50.0822, 60.0893,
83.4549

■ 12.3591, 7.2777,
1.1012

■ 55.3424, 67.2235,
95.6475

■ 12.0380, 6.7416,
0.6668

■ 60.4332, 74.6521,
105.8319

Harmonies

Analogous

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



23.9460, 23.8109, 25.4986



23.6896, 23.8109, 23.7695



23.1504, 23.8109, 22.6597

Triad

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



23.6896, 23.8109, 23.7695



21.4603, 23.8109, 24.4791



22.7820, 23.8109, 29.7982

Complementary

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



23.6896, 23.8109, 23.7695



23.6857, 25.9788, 30.5542

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.



22.1205, 23.8109, 29.4921



23.6896, 23.8109, 23.7695



21.3661, 23.8109, 26.3582

Square

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



23.6896, 23.8109, 23.7695



21.8655, 23.8109, 23.0549



21.6055, 23.8109, 28.2092



23.4153, 23.8109, 29.0261

Rectangle

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



23.6896, 23.8109, 23.7695



22.7078, 23.8109, 22.3879



21.6055, 23.8109, 28.2092



22.5555, 23.8109, 29.8185

Sweetspot

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



23.6903, 23.8120, 23.7700



46.0955, 47.7780, 50.5905



24.2914, 23.4164, 28.8965



10.1775, 10.5213, 11.0855



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.6903, 23.8120, 23.7700



41.2679, 41.0178, 40.0562



24.8545, 26.1403, 24.1581



5.4812, 5.5686, 5.6753



10.3399, 5.8114, 0.5767



0.1104, 0.0787, 0.0094

Inverse Universe

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



23.6857, 25.9788, 30.5542



41.2578, 45.6669, 54.6136



22.4923, 23.5920, 30.1564



5.4804, 5.9565, 6.8896



10.0984, 13.1827, 24.9894



0.1103, 0.1535, 0.2435

Previews

White Background



This preview shows how the XYZ color 23.6896, 23.8109, 23.7695 looks on a white background.

Color Contrast Check

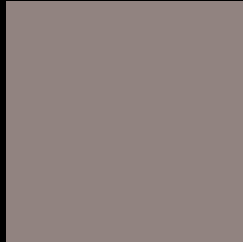
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6896, 23.8109, 23.7695 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

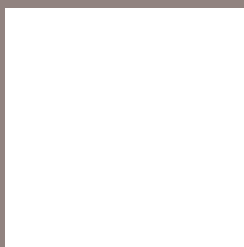
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6896, 23.8109, 23.7695

Background



This preview shows how black text looks on a background with the XYZ color 23.6896, 23.8109, 23.7695.



This preview shows how white text looks on a background with the XYZ color 23.6896, 23.8109,

23.7695.

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

23.6896, 23.8109, 23.7695

Protanopia

22.6665, 23.6784, 24.1446

Deuteranopia

24.1410, 23.6486, 23.7143



Tritanopia

24.5431, 23.7676, 27.7201

Trichromacy



Original Color

23.6896, 23.8109, 23.7695

Protanomaly

23.0289, 23.6630, 24.1225

Deuteranomaly

24.0917, 23.8197, 23.7500

Tritanomaly

24.2099, 23.8255, 26.2445

Monochromacy



Original Color

23.6896, 23.8109, 23.7695

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3374, 24.2051, 25.2718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6896, 23.8109, 23.7695 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(145, 131, 128)` looks like.

```
.text, #text, p{  
    color:rgb(145, 131, 128)  
}
```

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(145, 131, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 131, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.6896, 23.8109, 23.7695 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(145, 131, 128) }
```


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

```
.border{ border-color:rgb(145, 131, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 131, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 131, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 131, 128);  
box-shadow:4px 4px 4px 4px rgb(145, 131,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6896, 23.8109, 23.7695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 131, 128) }
```

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

```
.background{ background-color: rgb(145,  
131, 128) }
```

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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