

Converting Colors

XYZ(23.8246, 23.0015, 27.9950)

Have a look what the booklet for
XYZ(23.8246, 23.0015, 27.9950)
contains.

XYZ(23.8246, 23.0015, 27.9950)	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(23.8246, 23.0015,
27.9950)**

Conversions

Conversions Part 1

Format	Color
Hex	907F8C
RGB	144, 127, 140
RGB Percent	56%, 50%, 55%
CMY	0.4353, 0.5019, 0.4510
CMYK	0.00, 0.12, 0.03, 0.44
HSL	314°, 7%, 53%
HSV	314°, 12%, 56%
XYZ	23.8246, 23.0015, 27.9950
YIQ	133.5650, 5.9590, 7.6470

Conversions

Conversions Part 2

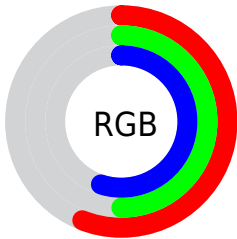
Format	Color
R_{YB}	144, 127, 140
Decimal	9469836
CIE _{Lab}	55.07, 8.90, -4.63
CIE _{LCh}	55, 10.039, 332.506
Yxy	23.0015, 0.3184, 0.3074
Android (android.graphics.Color)	4287659916 (0xFF907F8C)
YUV	133.5650, 3.1725, 9.1515
Hunter-Lab	47.9599, 4.7421, -1.0367

Details

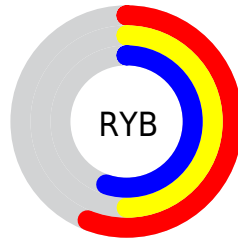
The XYZ color **23.8246, 23.0015, 27.9950** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.8233, 26.0979, 25.3084**, and the grayscale version is **22.4883, 23.6594, 25.7651**.

A 20% lighter version of the original color is **49.3476, 48.5433, 57.8078**, and **9.1859, 8.5666, 10.8422** is the 20% darker color. If you saturate the color by 10%, you get **21.8503, 19.4464, 26.1232**, and if you desaturate by 10%, it is **26.0738, 27.0934, 29.9969**.

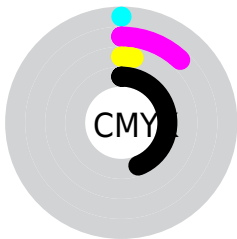
Distribution



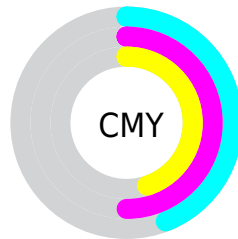
- Red (56%)
- Green (50%)
- Blue (55%)



- Red (56%)
- Yellow (50%)
- Blue (55%)



- Cyan (0%)
- Magenta (12%)
- Yellow (3%)
- Black (44%)



- Cyan (44%)
- Magenta (50%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8246, 23.0015, 27.9950 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 23.8246, 23.0015, 27.9950 by changing the saturation by 10% instead.

■ 23.8246, 23.0015,
27.9950

■ 23.8246, 23.0015,
27.9950

264.3895,
267.7327, 306.3542

■ 15.3276, 14.5946,
18.0829

■ 49.2006, 48.3958,
57.4995

■ 9.1374, 8.5354,
10.8395

■ 66.8103, 66.1520,
77.9289

■ 4.8888, 4.4394,
5.8462

■ 88.1882, 87.7934,
102.7012

■ 2.2162, 1.9223,
2.6845

113.6998,
113.7044, 132.2348

■ 0.7513, 0.5617,
0.9356

143.7104,
144.2695, 166.9484

■ 0.0000, 0.0000,
0.0000

178.5853,

179.8730, 207.2605

218.6898,
220.8992, 253.5896

■ 23.8246, 23.0015,
27.9950

■ 23.8246, 23.0015,
27.9950

■ 21.8503, 19.4464,
26.1232

■ 26.0738, 27.0934,
29.9969

■ 20.1376, 16.4025,
24.3760

■ 28.6064, 31.7401,
32.1314

■ 18.6750, 13.8468,
22.7494

■ 31.4332, 36.9627,
34.4026

■ 17.4495, 11.7533,
21.2388

■ 34.5638, 42.7801,
36.8139

■ 16.4468, 10.0935,
19.8391

■ 38.0072, 49.2105,
39.3689

■ 15.6511, 8.8360,
18.5446

■ 41.7721, 56.2711,
42.0706

■ 15.0443, 7.9447,
17.3490

■ 45.8671, 63.9788,
44.9222

■ 14.6053, 7.3774,
16.2448

■ 50.3000, 72.3494,
47.9267

■ 14.3224, 7.0576,
15.3917

■ 54.5648, 80.3706,
50.9156

Harmonies

Analogous

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



23.0376, 23.0015, 30.6023



23.8246, 23.0015, 27.9950



24.0804, 23.0015, 24.7766

Triad

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



23.8246, 23.0015, 27.9950



21.7684, 23.0015, 19.3852



20.0994, 23.0015, 28.5001

Complementary

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



23.8246, 23.0015, 27.9950



22.8233, 26.0979, 25.3084

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.



19.7847, 23.0015, 25.3148



23.8246, 23.0015, 27.9950



20.7275, 23.0015, 20.2044

Square

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



23.8246, 23.0015, 27.9950



22.8695, 23.0015, 19.9720



20.0107, 23.0015, 22.3094



20.8850, 23.0015, 30.9109

Rectangle

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



23.8246, 23.0015, 27.9950



23.9084, 23.0015, 22.7618



20.0107, 23.0015, 22.3094



19.9363, 23.0015, 27.4754

Sweetspot

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



23.8253, 23.0025, 27.9955



45.0405, 46.0570, 52.0823



21.9793, 22.0162, 29.4770



10.2637, 10.4433, 11.8865



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.



23.8253, 23.0025, 27.9955



41.1124, 38.9264, 48.5359



23.2248, 22.7623, 24.8332



5.5727, 5.4896, 6.5140



12.4814, 6.1496, 13.4522



0.1278, 0.0622, 0.1732

Inverse Universe

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



23.8253, 23.0025, 27.9955



41.1124, 38.9264, 48.5359



23.4208, 26.3369, 28.4550



5.5727, 5.4896, 6.5140



12.4814, 6.1496, 13.4522



0.1278, 0.0622, 0.1732

Previews

White Background



This preview shows how the XYZ color 23.8246, 23.0015, 27.9950 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 23.8246, 23.0015, 27.9950 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 23.8246, 23.0015, 27.9950

Background



This preview shows how black text looks on a background with the XYZ color 23.8246, 23.0015, 27.9950.



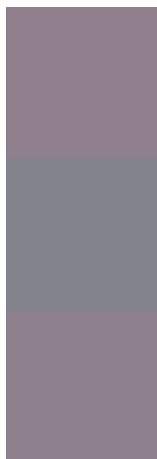
This preview shows how white text looks on a background with the XYZ color 23.8246, 23.0015,

27.9950.

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

23.8246, 23.0015, 27.9950

Protanopia

22.3589, 23.0109, 28.8543

Deuteranopia

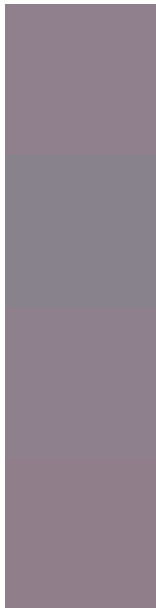
23.4373, 22.9945, 28.0140



Tritanopia

23.6063, 22.9142, 26.8456

Trichromacy



Original Color

23.8246, 23.0015, 27.9950

Protanomaly

22.9437, 23.1226, 28.4531

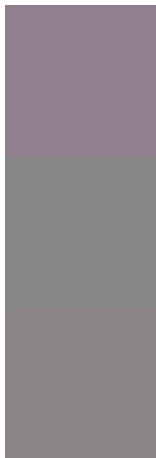
Deuteranomaly

23.6081, 23.0826, 28.0220

Tritanomaly

23.6784, 22.9430, 27.2252

Monochromacy



Original Color

23.8246, 23.0015, 27.9950

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.0415, 23.4134, 26.5974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8246, 23.0015, 27.9950 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(144, 127, 140)` looks like.

```
.text, #text, p{  
    color:rgb(144, 127, 140)  
}
```

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(144, 127, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 127, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.8246, 23.0015, 27.9950 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(144, 127, 140) }
```


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

```
.border{ border-color:rgb(144, 127, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 127, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 127, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 127, 140);  
box-shadow:4px 4px 4px 4px rgb(144, 127,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8246, 23.0015, 27.9950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 127, 140) }
```

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

```
.background{ background-color: rgb(144,  
127, 140) }
```

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