

# Converting Colors

XYZ(23.6139, 23.1242, 29.1080)

Have a look what the booklet for  
XYZ(23.6139, 23.1242, 29.1080)  
contains.

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# Color

**XYZ(23.6616, 23.0842,  
29.1952)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D808F
RGB	141, 128, 143
RGB Percent	55%, 50%, 56%
CMY	0.4471, 0.4980, 0.4392
CMYK	0.01, 0.10, 0.00, 0.44
HSL	292°, 6%, 53%
HSV	292°, 10%, 56%
XYZ	23.6616, 23.0842, 29.1952
YIQ	133.5970, 2.9330, 7.4210

# Conversions

## Conversions Part 2

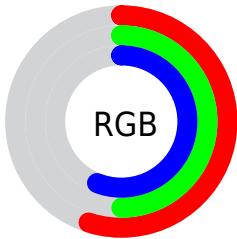
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	141, 128, 143
Decimal	9273487
CIE Lab	55.16, 7.82, -6.28
CIE LCh	55, 10.027, 321.225
Yxy	23.0842, 0.3116, 0.3040
Android (android.graphics.Color)	4287463567 (0xFF8D808F)
YUV	133.5970, 4.6357, 6.4924
Hunter-Lab	48.0460, 3.8268, -2.3954

# Details

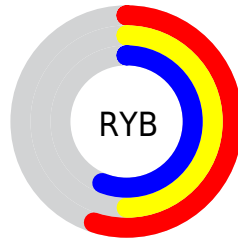
The XYZ color **23.6616, 23.0842, 29.1952** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.9255, 25.9498, 24.2237**, and the grayscale version is **22.4956, 23.6671, 25.7735**.

A 20% lighter version of the original color is **49.1076, 48.6811, 59.6315**, and **9.0861, 8.6064, 11.5382** is the 20% darker color. If you saturate the color by 10%, you get **21.6051, 19.4480, 28.6021**, and if you desaturate by 10%, it is **25.9879, 27.2510, 29.8772**.

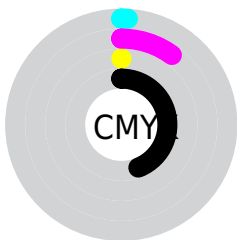
# Distribution



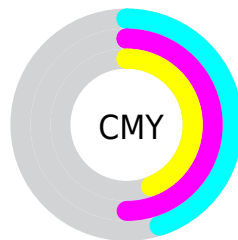
- Red (55%)
- Green (50%)
- Blue (56%)



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



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (44%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6616, 23.0842, 29.1952 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 23.6616, 23.0842, 29.1952 by changing the saturation by 10% instead.



■ 23.6616, 23.0842,  
29.1952

■ 23.6616, 23.0842,  
29.1952

263.5775,  
268.1572, 312.2246

■ 15.2062, 14.6557,  
18.9817

■ 48.9361, 48.5315,  
59.4330

■ 9.0515, 8.5781,  
11.4804

■ 66.4859, 66.3192,  
80.2943

■ 4.8321, 4.4670,  
6.2727

■ 87.7979, 87.9953,  
105.5420

■ 2.1829, 1.9381,  
2.9401

113.2373,  
113.9443, 135.5945

■ 0.7337, 0.5711,  
1.0642

143.1697,  
144.5506, 170.8705

■ 0.0000, 0.0000,  
0.0000

177.9602,

180.1986, 211.7885

217.9744,  
221.2726, 258.7670

■ 23.6616, 23.0842,  
29.1952

■ 23.6616, 23.0842,  
29.1952

■ 21.6051, 19.4480,  
28.6021

■ 25.9879, 27.2510,  
29.8772

■ 19.8054, 16.3177,  
28.0927

■ 28.5924, 31.9661,  
30.6500

■ 18.2515, 13.6706,  
27.6637

■ 31.4854, 37.2499,  
31.5174

■ 16.9308, 11.4817,  
27.3108

■ 34.6762, 43.1210,  
32.4825

■ 15.8293, 9.7232,  
27.0294

■ 38.1738, 49.5971,  
33.5482

■ 14.9318, 8.3647,  
26.8145

■ 41.9866, 56.6951,  
34.7173

■ 14.2211, 7.3715,  
26.6603

■ 46.1228, 64.4314,  
35.9925

■ 13.6767, 6.7031,  
26.5599

■ 50.5902, 72.8216,  
37.3765

■ 13.2606, 6.2633,  
26.4970

■ 54.8504, 80.7887,  
38.6898

# Harmonies

## Analogous

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



22.7292, 23.0842, 31.3283



23.6616, 23.0842, 29.1952



24.1370, 23.0842, 26.0867

# Triad

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



23.6616, 23.0842, 29.1952



22.2707, 23.0842, 19.5228



19.9954, 23.0842, 27.4326

# Complementary

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



23.6616, 23.0842, 29.1952



22.9255, 25.9498, 24.2237

# 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.



19.8821, 23.0842, 24.2063



23.6616, 23.0842, 29.1952



21.1710, 23.0842, 19.8166

# Square

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



23.6616, 23.0842, 29.1952



23.3162, 23.0842, 20.6298



20.3056, 23.0842, 21.4694



20.6206, 23.0842, 30.2520



# Rectangle

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



23.6616, 23.0842, 29.1952



24.1200, 23.0842, 23.9540



20.3056, 23.0842, 21.4694



19.8971, 23.0842, 26.3537

# Sweetspot

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



23.6623, 23.0852, 29.1957



45.4201, 46.7876, 53.1750



21.8769, 22.6053, 29.1972



10.3415, 10.5959, 12.1724



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.



23.6623, 23.0852, 29.1957



41.3007, 39.4327, 51.9725



23.6169, 23.1067, 27.1659



5.5565, 5.4751, 6.7927



11.7373, 5.5444, 23.4286



0.1249, 0.0595, 0.2246



# Inverse Universe

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



23.0769, 22.8907, 24.3222



40.0055, 39.0042, 41.1020



22.9763, 25.9351, 26.0768



5.4364, 5.4351, 5.7958



10.1252, 5.2071, 1.0446

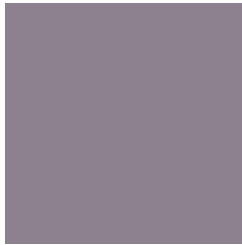


0.1013, 0.0516, 0.0339



# Previews

## White Background



This preview shows how the XYZ color 23.6616, 23.0842, 29.1952 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 23.6616, 23.0842, 29.1952 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

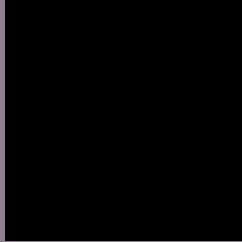
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.6616, 23.0842, 29.1952**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.6616, 23.0842, 29.1952.



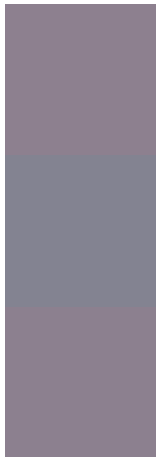
This preview shows how white text looks on a background with the XYZ color 23.6616, 23.0842,



# 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

23.6616, 23.0842, 29.1952

### Protanopia

22.5872, 23.1022, 30.0568

### Deuteranopia

23.4923, 22.9970, 29.1873



## Tritanopia

23.3257, 23.1400, 27.6632

# Trichromacy



## Original Color

23.6616, 23.0842, 29.1952

## Protanomaly

23.0083, 23.1298, 29.6374

## Deuteranomaly

23.4923, 22.9970, 29.1873

## Tritanomaly

23.3991, 23.1694, 28.0498

# Monochromacy



## Original Color

23.6616, 23.0842, 29.1952

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

23.0831, 23.6270, 27.0108

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.6616, 23.0842, 29.1952 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(141, 128, 143)` looks like.

```
.text, #text, p{  
    color:rgb(141, 128, 143)  
}
```

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(141, 128, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 128, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 23.6616, 23.0842, 29.1952 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(141, 128, 143) }
```



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

```
.border{ border-color:rgb(141, 128, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 128, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 128, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 128, 143);  
box-shadow:4px 4px 4px 4px rgb(141, 128,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.6616, 23.0842, 29.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 128, 143) }
```

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

```
.background{ background-color: rgb(141,  
128, 143) }
```

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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