

Converting Colors

XYZ(23.1286, 23.7104, 29.7432)

Have a look what the booklet for
XYZ(23.1286, 23.7104, 29.7432)
contains.

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Color

**XYZ(23.2531, 23.8570,
29.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	868590
RGB	134, 133, 144
RGB Percent	53%, 52%, 56%
CMY	0.4745, 0.4784, 0.4353
CMYK	0.07, 0.08, 0.00, 0.44
HSL	245°, 5%, 54%
HSV	245°, 8%, 56%
XYZ	23.2531, 23.8570, 29.7649
YIQ	134.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

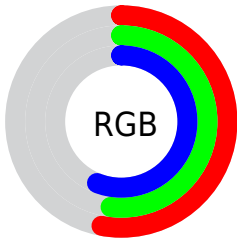
Format	Color
R_{YB}	134, 133, 144
Decimal	8816016
CIE Lab	55.94, 2.61, -5.76
CIE LCh	56, 6.324, 294.393
Yxy	23.8570, 0.3025, 0.3103
Android (android.graphics.Color)	4287006096 (0xFF868590)
YUV	134.5530, 4.6574, -0.4850
Hunter-Lab	48.8436, -0.4974, -1.9403

Details

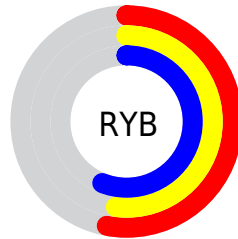
The XYZ color **23.2531, 23.8570, 29.7649** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.5355, 27.4803, 26.1498**, and the grayscale version is **22.8484, 24.0383, 26.1777**.

A 20% lighter version of the original color is **48.2455, 49.7598, 60.4879**, and **8.8469, 9.0336, 11.8671** is the 20% darker color. If you saturate the color by 10%, you get **19.4561, 19.1713, 29.0610**, and if you desaturate by 10%, it is **27.5802, 29.2185, 30.5721**.

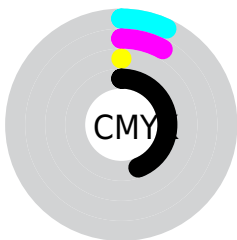
Distribution



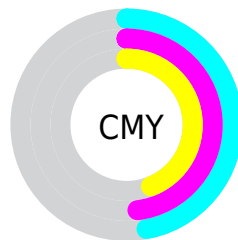
- Red (53%)
- Green (52%)
- Blue (56%)



- Red (53%)
- Yellow (52%)
- Blue (56%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2531, 23.8570, 29.7649 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 23.2531, 23.8570, 29.7649 by changing the saturation by 10% instead.

■ 23.2531, 23.8570,
29.7649

■ 23.2531, 23.8570,
29.7649

261.5334,
272.0967, 314.9802

■ 14.9022, 15.2276,
19.4097

■ 48.2722, 49.7967,
60.3468

■ 8.8367, 8.9793,
11.7869

■ 65.6711, 67.8759,
81.4105

■ 4.6911, 4.7277,
6.4779

■ 86.8168, 89.8737,
106.8809

■ 2.1000, 2.0884,
3.0644

112.0745,
116.1745, 137.1763

■ 0.6892, 0.6581,
1.1276

141.8097,
147.1629, 172.7154

■ 0.0000, 0.0000,
0.0000

176.3877,

183.2231, 213.9168

216.1738,
224.7396, 261.1988

■ 23.2531, 23.8570,
29.7649

■ 23.2531, 23.8570,
29.7649

■ 19.4561, 19.1713,
29.0610

■ 27.5802, 29.2185,
30.5721

■ 16.1667, 15.1317,
28.4546

■ 32.4546, 35.2780,
31.4848

■ 13.3641, 11.7108,
27.9420

■ 37.8952, 42.0605,
32.5072

■ 11.0250, 8.8778,
27.5185

■ 43.9194, 49.5886,
33.6427

■ 9.1244, 6.5997,
27.1789

■ 50.5438, 57.8843,
34.8948

7.6347, 4.8398,
26.9178

57.7845, 66.9682,
36.2666

6.5253, 3.5572,
26.7287

65.6569, 76.8606,
37.7611

5.7612, 2.7048,
26.6044

74.1757, 87.5808,
39.3813

5.2875, 2.1991,
26.5318

80.8814, 94.1994,
40.3054

Harmonies

Analogous

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



22.5401, 23.8570, 30.1339



23.2531, 23.8570, 29.7649



23.8220, 23.8570, 28.3585

Triad

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



23.2531, 23.8570, 29.7649



23.4926, 23.8570, 22.8783



21.3227, 23.8570, 25.5900

Complementary

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



23.2531, 23.8570, 29.7649



25.5355, 27.4803, 26.1498

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.



21.5661, 23.8570, 23.7312



23.2531, 23.8570, 29.7649



22.8112, 23.8570, 22.2197

Square

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



23.2531, 23.8570, 29.7649



23.9623, 23.8570, 24.3698



22.1073, 23.8570, 22.5235



21.4353, 23.8570, 27.6517

Rectangle

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



23.2531, 23.8570, 29.7649



24.0378, 23.8570, 27.0597



22.1073, 23.8570, 22.5235



21.3654, 23.8570, 24.9220

Sweetspot

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



23.2538, 23.8580, 29.7654



45.1670, 47.2211, 53.2721



24.5426, 26.6708, 30.2404



10.3808, 10.8573, 12.2208



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.



23.2538, 23.8580, 29.7654



39.9172, 40.7238, 52.2946



24.1396, 24.3146, 29.8069



5.1722, 5.2769, 6.7747



4.5391, 1.8336, 23.0918



0.0506, 0.0212, 0.2211

Inverse Universe

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



24.8479, 24.6886, 29.4435



43.2659, 42.4688, 51.6111



24.6201, 27.0084, 26.1070



5.6054, 5.5027, 6.6863



13.5838, 6.5905, 19.2574



0.1339, 0.0646, 0.2052

Previews

White Background



This preview shows how the XYZ color 23.2531, 23.8570, 29.7649 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 23.2531, 23.8570, 29.7649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

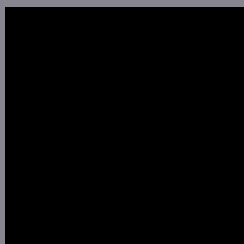
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

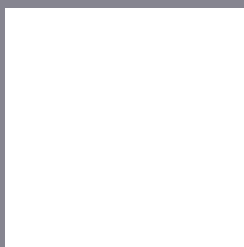
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2531, 23.8570, 29.7649

Background



This preview shows how black text looks on a background with the XYZ color 23.2531, 23.8570, 29.7649.

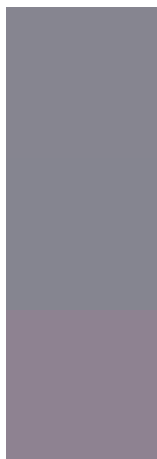


This preview shows how white text looks on a background with the XYZ color 23.2531, 23.8570,

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

23.2531, 23.8570, 29.7649

Protanopia

23.0944, 23.7752, 29.7574

Deuteranopia

24.2488, 23.7604, 30.0962



Tritanopia

23.2531, 23.8570, 29.7649

Trichromacy



Original Color

23.2531, 23.8570, 29.7649

Protanomaly

23.0944, 23.7752, 29.7574

Deuteranomaly

23.8746, 23.7659, 30.1170

Tritanomaly

23.2531, 23.8570, 29.7649

Monochromacy



Original Color

23.2531, 23.8570, 29.7649

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.1042, 24.0361, 27.4665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2531, 23.8570, 29.7649 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(134, 133, 144)` looks like.

```
.text, #text, p{  
    color:rgb(134, 133, 144)  
}
```

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(134, 133, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 133, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.2531, 23.8570, 29.7649 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(134, 133, 144) }
```


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

```
.border{ border-color:rgb(134, 133, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 133, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 133, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 133, 144);  
box-shadow:4px 4px 4px 4px rgb(134, 133,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2531, 23.8570, 29.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 133, 144) }
```

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

```
.background{ background-color: rgb(134,  
133, 144) }
```

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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