

Converting Colors

XYZ(22.7917, 23.3655, 31.6718)

Have a look what the booklet for
XYZ(22.7917, 23.3655, 31.6718)
contains.

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Color

**XYZ(22.8820, 23.4183,
31.7479)**

Conversions

Conversions Part 1

Format	Color
Hex	828495
RGB	130, 132, 149
RGB Percent	51%, 52%, 58%
CMY	0.4902, 0.4823, 0.4157
CMYK	0.13, 0.11, 0.00, 0.42
HSL	234°, 8%, 55%
HSV	234°, 13%, 58%
XYZ	22.8820, 23.4183, 31.7479
YIQ	133.3400, -6.6490, 4.8630

Conversions

Conversions Part 2

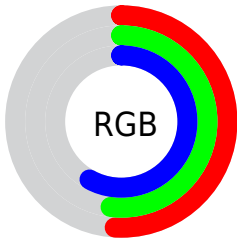
Format	Color
RYB	130, 132, 149
Decimal	8553621
CIELab	55.50, 2.85, -9.34
CIELCh	56, 9.770, 286.970
Yxy	23.4183, 0.2932, 0.3000
Android (android.graphics.Color)	4286743701 (0xFF828495)
YUV	133.3400, 7.7204, -2.9292
Hunter-Lab	48.3925, -0.2845, -5.0225

Details

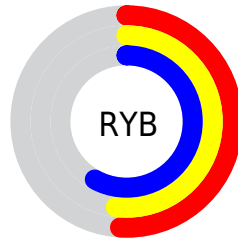
The XYZ color **22.8820, 23.4183, 31.7479** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.8575, 28.8685, 25.2762**, and the grayscale version is **22.3933, 23.5595, 25.6563**.

A 20% lighter version of the original color is **47.6569, 49.0770, 63.4609**, and **8.6912, 8.8177, 12.7992** is the 20% darker color. If you saturate the color by 10%, you get **19.0664, 18.9376, 31.0845**, and if you desaturate by 10%, it is **27.2610, 28.5336, 32.5048**.

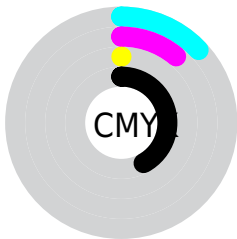
Distribution



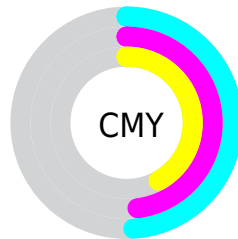
- Red (51%)
- Green (52%)
- Blue (58%)



- Red (51%)
- Yellow (52%)
- Blue (58%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (42%)



- Cyan (49%)
- Magenta (48%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8820, 23.4183, 31.7479 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 22.8820, 23.4183, 31.7479 by changing the saturation by 10% instead.

■ 22.8820, 23.4183,
31.7479

■ 22.8820, 23.4183,
31.7479

259.6650,
269.8662, 324.4265

■ 14.6266, 14.9027,
20.9058

■ 47.6676, 49.0793,
63.5090

■ 8.6424, 8.7511,
12.8646

■ 64.9285, 66.9934,
85.2650

■ 4.5639, 4.5792,
7.2057

■ 85.9220, 88.8092,
111.4961

■ 2.0258, 2.0025,
3.5107

111.0133,
114.9110, 142.6208

■ 0.6484, 0.6090,
1.3610

140.5680,
145.6832, 179.0577

■ 0.0000, 0.0000,
0.1110

174.9512,

■ 0.0000, 0.0000,

181.5102, 221.2252

0.0000

214.5285,
222.7764, 269.5420

■ 22.8820, 23.4183,
31.7479

■ 22.8820, 23.4183,
31.7479

■ 19.0664, 18.9376,
31.0845

■ 27.2610, 28.5336,
32.5048

■ 15.7893, 15.0639,
30.5095

■ 32.2228, 34.3038,
33.3571

■ 13.0268, 11.7719,
30.0197

■ 37.7885, 40.7520,
34.3084

■ 10.7528, 9.0333,
29.6110

■ 43.9775, 47.8994,
35.3618

■ 8.9386, 6.8176,
29.2789

■ 50.8084, 55.7661,
36.5201

■ 7.5525, 5.0912,
29.0187

■ 58.2988, 64.3714,
37.7863

■ 6.5587, 3.8165,
28.8251

■ 66.4660, 73.7340,
39.1631

■ 5.9157, 2.9506,
28.6918

■ 75.3263, 83.8718,
40.6529

■ 5.6057, 2.5317,
28.6273

■ 81.4673, 93.0348,
42.0978

Harmonies

Analogous

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



21.7845, 23.4183, 31.8729



22.8820, 23.4183, 31.7479



23.8420, 23.4183, 29.8634

Triad

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



22.8820, 23.4183, 31.7479



23.7344, 23.4183, 21.3185



20.2590, 23.4183, 24.1560

Complementary

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



22.8820, 23.4183, 31.7479



26.8575, 28.8685, 25.2762

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.



20.7465, 23.4183, 21.5812



22.8820, 23.4183, 31.7479



22.7391, 23.4183, 20.0363

Square

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



22.8820, 23.4183, 31.7479



24.3451, 23.4183, 23.7696



21.6462, 23.4183, 20.1283



20.2944, 23.4183, 27.3093

Rectangle

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



22.8820, 23.4183, 31.7479



24.2640, 23.4183, 27.9446



21.6462, 23.4183, 20.1283



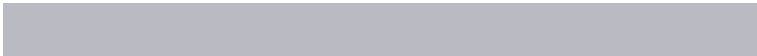
20.3665, 23.4183, 23.1996

Sweetspot

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



22.8827, 23.4193, 31.7484



47.7182, 49.8145, 58.0214



25.2032, 28.3409, 31.6570



10.4485, 10.8920, 12.8365



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.



22.8827, 23.4193, 31.7484



39.1405, 39.7853, 56.5377



23.7709, 23.4780, 31.7129



5.5458, 5.7255, 7.2826



4.7297, 2.1542, 24.0976



0.0675, 0.0457, 0.2982

Inverse Universe

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



24.5425, 24.0213, 25.1740



42.6519, 41.0753, 42.6250



25.8839, 28.8327, 25.3206



5.8242, 5.8247, 6.1802



10.5144, 5.4108, 0.9240



0.1336, 0.0682, 0.0370

Previews

White Background



This preview shows how the XYZ color 22.8820, 23.4183, 31.7479 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 22.8820, 23.4183, 31.7479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

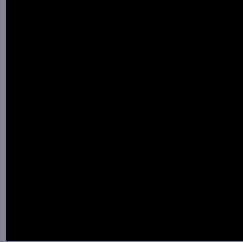
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

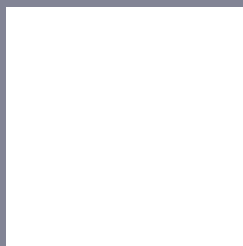
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8820, 23.4183, 31.7479

Background



This preview shows how black text looks on a background with the XYZ color 22.8820, 23.4183, 31.7479.



This preview shows how white text looks on a background with the XYZ color 22.8820, 23.4183,

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

22.8820, 23.4183, 31.7479

Protanopia

22.8820, 23.4183, 31.7479

Deuteranopia

23.8365, 23.3058, 32.0963



Tritanopia

22.3987, 23.4254, 29.3276

Trichromacy



Original Color

22.8820, 23.4183, 31.7479

Protanomaly

22.8820, 23.4183, 31.7479

Deuteranomaly

23.4793, 23.3182, 32.1175

Tritanomaly

22.5516, 23.4865, 30.1328

Monochromacy



Original Color

22.8820, 23.4183, 31.7479

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.5634, 23.5447, 27.7815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8820, 23.4183, 31.7479 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(130, 132, 149)` looks like.

```
.text, #text, p{  
    color:rgb(130, 132, 149)  
}
```

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(130, 132, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 132, 149) }
```

Border

The CSS property to change the border of an element to XYZ 22.8820, 23.4183, 31.7479 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(130, 132, 149) }
```


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

```
.border{ border-color:rgb(130, 132, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 132, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 132, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 132, 149);  
box-shadow:4px 4px 4px 4px rgb(130, 132,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8820, 23.4183, 31.7479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 132, 149) }
```

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

```
.background{ background-color: rgb(130,  
132, 149) }
```

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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