

Converting Colors

XYZ(22.5980, 23.0154, 31.7775)

Have a look what the booklet for
XYZ(22.5980, 23.0154, 31.7775)
contains.

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Color

**XYZ(22.5944, 23.0697,
31.6958)**

Conversions

Conversions Part 1

Format	Color
Hex	818395
RGB	129, 131, 149
RGB Percent	51%, 51%, 58%
CMY	0.4941, 0.4863, 0.4157
CMYK	0.13, 0.12, 0.00, 0.42
HSL	234°, 9%, 55%
HSV	234°, 13%, 58%
XYZ	22.5944, 23.0697, 31.6958
YIQ	132.4540, -6.9700, 5.1740

Conversions

Conversions Part 2

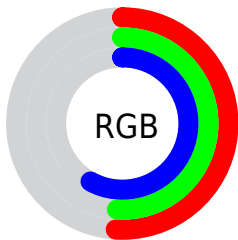
Format	Color
R_{YB}	129, 131, 149
Decimal	8487829
CIE Lab	55.14, 3.08, -9.89
CIE LCh	55, 10.356, 287.302
Yxy	23.0697, 0.2921, 0.2982
Android (android.graphics.Color)	4286677909 (0xFF818395)
YUV	132.4540, 8.1572, -3.0292
Hunter-Lab	48.0309, -0.0853, -5.5041

Details

The XYZ color **22.5944, 23.0697, 31.6958** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.7907, 28.8418, 24.9244**, and the grayscale version is **22.0699, 23.2193, 25.2858**.

A 20% lighter version of the original color is **47.2114, 48.5379, 63.3803**, and **8.5302, 8.6219, 12.7699** is the 20% darker color. If you saturate the color by 10%, you get **18.8083, 18.6157, 31.0360**, and if you desaturate by 10%, it is **26.9450, 28.1619, 32.4498**.

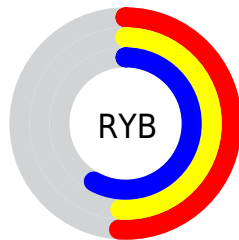
Distribution



Red (51%)

Green (51%)

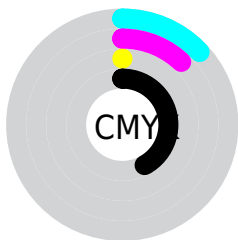
Blue (58%)



Red (51%)

Yellow (51%)

Blue (58%)

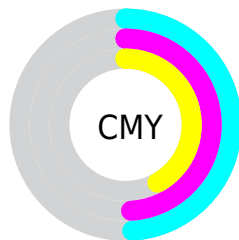


Cyan (13%)

Magenta (12%)

Yellow (0%)

Black (42%)



Cyan (49%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5944, 23.0697, 31.6958 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 22.5944, 23.0697, 31.6958 by changing the saturation by 10% instead.

■ 22.5944, 23.0697,
31.6958

■ 22.5944, 23.0697,
31.6958

258.2093,
268.0828, 324.1811

■ 14.4133, 14.6450,
20.8664

■ 47.1980, 48.5077,
63.4263

■ 8.4923, 8.5706,
12.8361

■ 64.3513, 66.2899,
85.1643

■ 4.4660, 4.4622,
7.1864

■ 85.2261, 87.9599,
111.3757

■ 1.9690, 1.9353,
3.4987

110.1877,
113.9023, 142.4790

■ 0.6165, 0.5695,
1.3546

139.6014,
144.5013, 178.8926

■ 0.0000, 0.0000,
0.1059

173.8327,

■ 0.0000, 0.0000,

180.1415, 221.0351

0.0000

213.2469,
221.2072, 269.3251

■ 22.5944, 23.0697,
31.6958

■ 22.5944, 23.0697,
31.6958

■ 18.8083, 18.6157,
31.0360

■ 26.9450, 28.1619,
32.4498

■ 15.5615, 14.7720,
30.4652

■ 31.8799, 33.9132,
33.2998

■ 12.8301, 11.5128,
29.9801

■ 37.4203, 40.3469,
34.2496

■ 10.5874, 8.8094,
29.5765

■ 43.5858, 47.4845,
35.3023

■ 8.8044, 6.6304,
29.2499

■ 50.3951, 55.3465,
36.4610

■ 7.4488, 4.9417,
28.9954

■ 57.8662, 63.9525,
37.7283

■ 6.4845, 3.7049,
28.8075

■ 66.0163, 73.3214,
39.1071

■ 5.8687, 2.8755,
28.6798

■ 74.8620, 83.4713,
40.6001

■ 5.5945, 2.5092,
28.6236

■ 81.3753, 92.8508,
42.0672

Harmonies

Analogous

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



21.4424, 23.0697, 31.8505



22.5944, 23.0697, 31.6958



23.6005, 23.0697, 29.6849

Triad

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



22.5944, 23.0697, 31.6958



23.4682, 23.0697, 20.7274



19.8306, 23.0697, 23.7464

Complementary

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



22.5944, 23.0697, 31.6958



26.7907, 28.8418, 24.9244

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.



20.3346, 23.0697, 21.0470



22.5944, 23.0697, 31.6958



22.4190, 23.0697, 19.4097

Square

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



22.5944, 23.0697, 31.6958



24.1171, 23.0697, 23.2739



21.2730, 23.0697, 19.5214



19.8738, 23.0697, 27.0590

Rectangle

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



22.5944, 23.0697, 31.6958



24.0409, 23.0697, 27.6547



21.2730, 23.0697, 19.5214



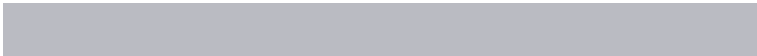
19.9409, 23.0697, 22.7432

Sweetspot

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



22.5951, 23.0707, 31.6963



47.7095, 49.7972, 58.0185



25.0415, 28.2586, 31.6018



10.4462, 10.8875, 12.8358



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.



22.5951, 23.0707, 31.6963



38.3941, 38.8852, 56.4033



23.5375, 23.1612, 31.6641



5.5434, 5.7209, 7.2818



4.7199, 2.1346, 24.0943



0.0670, 0.0445, 0.2980

Inverse Universe

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



24.3420, 23.7293, 24.7711



42.1305, 40.3128, 41.5869



25.7516, 28.7723, 24.9657



5.8230, 5.8243, 6.1740



10.5095, 5.4088, 0.8979



0.1333, 0.0681, 0.0354

Previews

White Background



This preview shows how the XYZ color 22.5944, 23.0697, 31.6958 looks on a white background.

Color Contrast Check

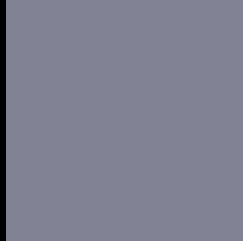
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5944, 23.0697, 31.6958 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 22.5944, 23.0697, 31.6958

Background



This preview shows how black text looks on a background with the XYZ color 22.5944, 23.0697, 31.6958.



This preview shows how white text looks on a background with the XYZ color 22.5944, 23.0697,

31.6958.

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

22.5944, 23.0697, 31.6958

Protanopia

22.5944, 23.0697, 31.6958

Deuteranopia

23.4284, 23.1047, 31.6586



Tritanopia

22.1113, 23.0749, 29.2751

Trichromacy



Original Color

22.5944, 23.0697, 31.6958

Protanomaly

22.5944, 23.0697, 31.6958

Deuteranomaly

23.0803, 23.1217, 31.6802

Tritanomaly

22.2642, 23.1361, 30.0803

Monochromacy



Original Color

22.5944, 23.0697, 31.6958

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.1988, 23.1628, 27.3456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5944, 23.0697, 31.6958 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(129, 131, 149)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 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(129, 131, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 149) }
```

Border

The CSS property to change the border of an element to XYZ 22.5944, 23.0697, 31.6958 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(129, 131, 149) }
```


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

```
.border{ border-color:rgb(129, 131, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 131, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 149);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5944, 23.0697, 31.6958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 149) }
```

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

```
.background{ background-color: rgb(129,  
131, 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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