

Converting Colors

XYZ(23.7331, 23.1714, 41.7502)

Have a look what the booklet for
XYZ(23.7331, 23.1714, 41.7502)
contains.

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Color

**XYZ(23.7908, 23.2655,
41.7649)**

Conversions

Conversions Part 1

Format	Color
Hex	7D82AB
RGB	125, 130, 171
RGB Percent	49%, 51%, 67%
CMY	0.5098, 0.4902, 0.3294
CMYK	0.27, 0.24, 0.00, 0.33
HSL	233°, 21%, 58%
HSV	233°, 27%, 67%
XYZ	23.7908, 23.2655, 41.7649
YIQ	133.1790, -16.1410, 11.6910

Conversions

Conversions Part 2

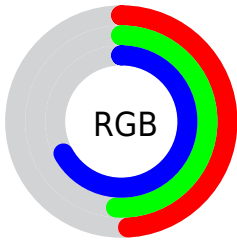
Format	Color
R_{YB}	125, 130, 171
Decimal	8225451
CIE Lab	55.34, 7.59, -22.31
CIE LCh	55, 23.563, 288.786
Yxy	23.2655, 0.2679, 0.2619
Android (android.graphics.Color)	4286415531 (0xFF7D82AB)
YUV	133.1790, 18.6458, -7.1730
Hunter-Lab	48.2343, 3.6322, -17.5737

Details

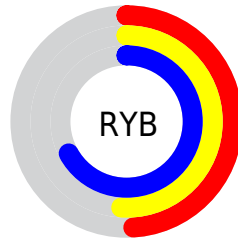
The XYZ color **23.7908, 23.2655, 41.7649** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **34.1330, 37.4115, 24.8250**, and the grayscale version is **22.2985, 23.4598, 25.5477**.

A 20% lighter version of the original color is **49.0211, 48.8229, 78.7916**, and **9.1739, 8.7126, 18.6510** is the 20% darker color. If you saturate the color by 10%, you get **19.6268, 18.3294, 41.0320**, and if you desaturate by 10%, it is **28.6864, 29.0256, 42.6191**.

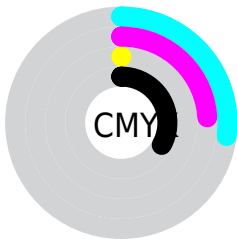
Distribution



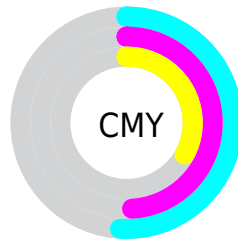
- Red (49%)
- Green (51%)
- Blue (67%)



- Red (49%)
- Yellow (51%)
- Blue (67%)



- Cyan (27%)
- Magenta (24%)
- Yellow (0%)
- Black (33%)



- Cyan (51%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7908, 23.2655, 41.7649 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 23.7908, 23.2655, 41.7649 by changing the saturation by 10% instead.

■ 23.7908, 23.2655,
41.7649

■ 23.7908, 23.2655,
41.7649

264.2213,
269.0857, 369.2783

■ 15.3024, 14.7897,
28.5931

■ 49.1458, 48.8289,
79.1099

■ 9.1196, 8.6719,
18.5303

■ 66.7430, 66.6853,
104.1202

■ 4.8770, 4.5278,
11.1580

■ 88.1073, 88.4373,
133.9137

■ 2.2093, 1.9730,
6.0577

113.6040,
114.4693, 168.9089

■ 0.7476, 0.5917,
2.8108

143.5983,
145.1658, 209.5245

■ 0.0000, 0.0000,
0.9989

178.4558,

■ 0.0000, 0.0000,

180.9111, 256.1789

0.0000

218.5416,
222.0896, 309.2906

■ 23.7908, 23.2655,
41.7649

■ 23.7908, 23.2655,
41.7649

■ 19.6268, 18.3294,
41.0320

■ 28.6864, 29.0256,
42.6191

■ 16.1570, 14.1770,
40.4134

■ 34.3442, 35.6421,
43.5980

■ 13.3439, 10.7684,
39.9037

■ 40.7956, 43.1492,
44.7070

■ 11.1459, 8.0594,
39.4967

■ 48.0697, 51.5783,
45.9506

■ 9.5163, 6.0009,
39.1852

■ 56.1942, 60.9592,
47.3331

■ 8.4016, 4.5375,
38.9615

■ 65.1954, 71.3204,
48.8586

■ 7.7298, 3.5998,
38.8159

■ 75.0984, 82.6894,
50.5310

■ 7.5767, 3.3922,
38.7839

■ 83.3801, 93.7790,
52.2351

■ 84.3508, 95.7203,
52.5586

Harmonies

Analogous

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



21.1393, 23.2655, 42.4631



23.7908, 23.2655, 41.7649



26.1616, 23.2655, 36.1854

Triad

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



23.7908, 23.2655, 41.7649



25.6342, 23.2655, 15.8834



17.4925, 23.2655, 22.6052

Complementary

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



23.7908, 23.2655, 41.7649



34.1330, 37.4115, 24.8250

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.



18.5055, 23.2655, 16.9001



23.7908, 23.2655, 41.7649



23.1165, 23.2655, 13.5675

Square

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



23.7908, 23.2655, 41.7649



27.2830, 23.2655, 20.9274



20.5163, 23.2655, 13.8983



17.6415, 23.2655, 30.3153

Rectangle

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



23.7908, 23.2655, 41.7649



27.1984, 23.2655, 30.9736



20.5163, 23.2655, 13.8983



17.7049, 23.2655, 20.4211

Sweetspot

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



23.7916, 23.2664, 41.7654



60.1734, 62.2753, 77.8507



29.8703, 36.2261, 41.3188



13.0714, 13.4819, 17.3010



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7916, 23.2664, 41.7654



38.2260, 36.4819, 74.0289



25.9493, 23.4153, 41.6804



7.6464, 7.8922, 10.0730



5.7319, 2.5977, 29.2438



0.1812, 0.1158, 0.8208

Inverse Universe

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



28.1581, 24.9377, 24.4494



47.3432, 40.0819, 37.8492



31.4714, 37.4151, 24.9660



8.0393, 8.0290, 8.5179



12.7568, 6.5653, 1.0991



0.3659, 0.1870, 0.0885

Previews

White Background



This preview shows how the XYZ color 23.7908, 23.2655, 41.7649 looks on a white background.

Color Contrast Check

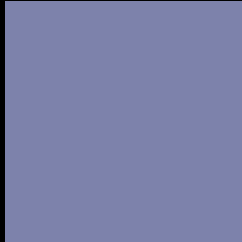
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7908, 23.2655, 41.7649 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 23.7908, 23.2655, 41.7649

Background



This preview shows how black text looks on a background with the XYZ color 23.7908, 23.2655, 41.7649.



This preview shows how white text looks on a background with the XYZ color 23.7908, 23.2655,

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

23.7908, 23.2655, 41.7649

Protanopia

23.5887, 23.3487, 42.2932

Deuteranopia

23.7908, 23.2655, 41.7649



Tritanopia

21.5205, 23.3653, 30.1638

Trichromacy



Original Color

23.7908, 23.2655, 41.7649

Protanomaly

23.7311, 23.4221, 42.2999

Deuteranomaly

23.7908, 23.2655, 41.7649

Tritanomaly

22.2463, 23.2457, 33.8862

Monochromacy



Original Color

23.7908, 23.2655, 41.7649

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7236, 23.3549, 30.9141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7908, 23.2655, 41.7649 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(125, 130, 171)` looks like.

```
.text, #text, p{  
    color:rgb(125, 130, 171)  
}
```

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(125, 130, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 130, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.7908, 23.2655, 41.7649 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(125, 130, 171) }
```


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

```
.border{ border-color:rgb(125, 130, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 130, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 130, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 130, 171);  
box-shadow:4px 4px 4px 4px rgb(125, 130,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7908, 23.2655, 41.7649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 130, 171) }
```

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

```
.background{ background-color: rgb(125,  
130, 171) }
```

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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