

Converting Colors

XYZ(23.1214, 23.7093, 39.2531)

Have a look what the booklet for
XYZ(23.1214, 23.7093, 39.2531)
contains.

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Color

**XYZ(23.1538, 23.7964,
39.4492)**

Conversions

Conversions Part 1

Format	Color
Hex	7886A6
RGB	120, 134, 166
RGB Percent	47%, 53%, 65%
CMY	0.5294, 0.4745, 0.3490
CMYK	0.28, 0.19, 0.00, 0.35
HSL	222°, 21%, 56%
HSV	222°, 28%, 65%
XYZ	23.1538, 23.7964, 39.4492
YIQ	133.4620, -18.6160, 6.9840

Conversions

Conversions Part 2

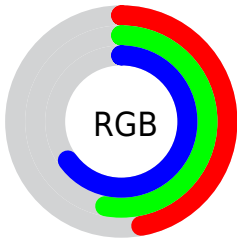
Format	Color
R _Y B	120, 131, 166
Decimal	7898790
CIE Lab	55.88, 2.43, -18.64
CIE LCh	56, 18.800, 277.422
Yxy	23.7964, 0.2680, 0.2754
Android (android.graphics.Color)	4286088870 (0xFF7886A6)
YUV	133.4620, 16.0412, -11.8062
Hunter-Lab	48.7816, -0.6440, -13.8002

Details

The XYZ color **23.1538, 23.7964, 39.4492** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.3448, 31.9200, 22.3320**, and the grayscale version is **22.4115, 23.5787, 25.6772**.

A 20% lighter version of the original color is **48.0550, 49.6453, 75.4563**, and **8.8115, 9.0140, 17.1950** is the 20% darker color. If you saturate the color by 10%, you get **19.5383, 19.6916, 38.8479**, and if you desaturate by 10%, it is **27.3442, 28.4574, 40.1284**.

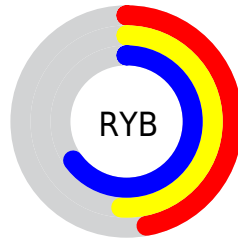
Distribution



Red (47%)

Green (53%)

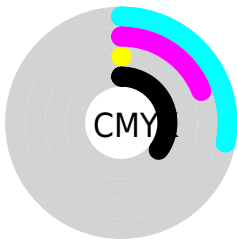
Blue (65%)



Red (47%)

Yellow (51%)

Blue (65%)

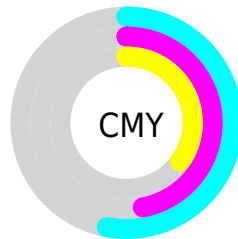


Cyan (28%)

Magenta (19%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1538, 23.7964, 39.4492 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 23.1538, 23.7964, 39.4492 by changing the saturation by 10% instead.

■ 23.1538, 23.7964,
39.4492

■ 23.1538, 23.7964,
39.4492

261.0346,
271.7895, 359.2794

■ 14.8284, 15.1827,
26.7988

■ 48.1105, 49.6978,
75.5519

■ 8.7846, 8.9477,
17.1911

■ 65.4726, 67.7541,
99.8414

■ 4.6569, 4.7071,
10.2074

■ 86.5777, 89.7269,
128.8476

■ 2.0801, 2.0764,
5.4293

111.7910,
116.0004, 162.9892

■ 0.6784, 0.6513,
2.4382

141.4780,
146.9590, 202.6846

■ 0.0000, 0.0000,
0.8071

176.0040,

■ 0.0000, 0.0000,

182.9871, 248.3524

0.0000

215.7344,
224.4692, 300.4111

■ 23.1538, 23.7964,
39.4492

■ 23.1538, 23.7964,
39.4492

■ 19.5383, 19.6916,
38.8479

■ 27.3442, 28.4574,
40.1284

■ 16.4694, 16.1185,
38.3199

■ 32.1318, 33.6924,
40.8865

■ 13.9194, 13.0547,
37.8630

■ 37.5402, 39.5216,
41.7266

■ 11.8573, 10.4750,
37.4737

■ 43.5911, 45.9636,
42.6511

■ 10.2487, 8.3518,
37.1487

■ 50.3054, 53.0359,
43.6624

■ 9.0538, 6.6542,
36.8840

■ 57.7025, 60.7556,
44.7625

■ 8.2114, 5.3393,
36.6746

■ 65.8015, 69.1387,
45.9538

■ 8.0461, 5.0794,
36.6331

■ 74.6205, 78.2011,
47.2382

■ 78.6779, 85.1229,
48.3604

Harmonies

Analogous

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



21.0736, 23.7964, 38.3936



23.1538, 23.7964, 39.4492



25.2130, 23.7964, 36.4476

Triad

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



23.1538, 23.7964, 39.4492



26.0475, 23.7964, 19.3853



19.0253, 23.7964, 21.6418

Complementary

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



23.1538, 23.7964, 39.4492



30.3448, 31.9200, 22.3320

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.



20.2070, 23.7964, 17.6290



23.1538, 23.7964, 39.4492



24.2355, 23.7964, 16.4767

Square

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



23.1538, 23.7964, 39.4492



26.9509, 23.7964, 24.4167



22.0901, 23.7964, 15.8887



18.7759, 23.7964, 27.4635

Rectangle

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



23.1538, 23.7964, 39.4492



26.2674, 23.7964, 32.7916



22.0901, 23.7964, 15.8887



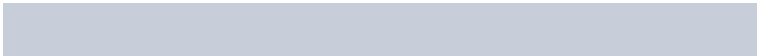
19.3228, 23.7964, 20.0660

Sweetspot

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



23.1546, 23.7973, 39.4497



57.9107, 60.7083, 74.1409



27.0038, 33.5145, 34.5093



12.6602, 13.2602, 16.5444



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.1546, 23.7973, 39.4497



38.0255, 38.6713, 70.9354



22.5676, 20.8099, 38.9040



7.3111, 7.6591, 9.5114



6.2763, 4.0128, 28.4192



0.1973, 0.1867, 0.7063

Inverse Universe

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



26.7461, 23.2620, 25.6355



45.6748, 37.8220, 41.4485



31.0424, 35.8542, 23.0546



7.6216, 7.5785, 8.3246



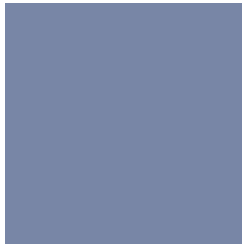
12.6686, 6.4761, 3.0664



0.3307, 0.1666, 0.1930

Previews

White Background



This preview shows how the XYZ color 23.1538, 23.7964, 39.4492 looks on a white background.

Color Contrast Check

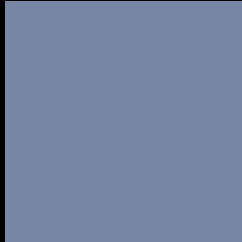
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1538, 23.7964, 39.4492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

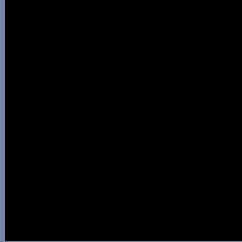
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

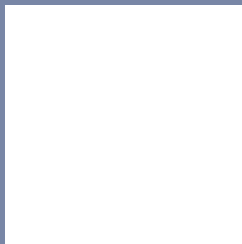
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1538, 23.7964, 39.4492

Background



This preview shows how black text looks on a background with the XYZ color 23.1538, 23.7964, 39.4492.

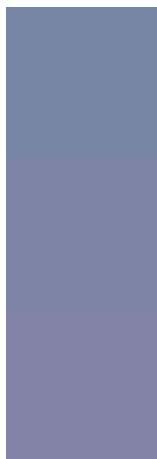


This preview shows how white text looks on a background with the XYZ color 23.1538, 23.7964,

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

23.1538, 23.7964, 39.4492

Protanopia

23.6470, 23.6548, 38.9168

Deuteranopia

24.2973, 23.7684, 39.8664



Tritanopia

21.4934, 23.7424, 31.4669

Trichromacy



Original Color

23.1538, 23.7964, 39.4492

Protanomaly

23.4912, 23.7768, 38.9486

Deuteranomaly

23.8305, 23.7282, 39.8832

Tritanomaly

22.0567, 23.7568, 34.4334

Monochromacy



Original Color

23.1538, 23.7964, 39.4492

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4005, 23.4086, 30.1257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1538, 23.7964, 39.4492 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(120, 134, 166)` looks like.

```
.text, #text, p{  
    color:rgb(120, 134, 166)  
}
```

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(120, 134, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 134, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.1538, 23.7964, 39.4492 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(120, 134, 166) }
```


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

```
.border{ border-color:rgb(120, 134, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 134, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 134, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 134, 166);  
box-shadow:4px 4px 4px 4px rgb(120, 134,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1538, 23.7964, 39.4492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 134, 166) }
```

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

```
.background{ background-color: rgb(120,  
134, 166) }
```

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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