

Converting Colors

XYZ(23.3551, 23.9682, 39.9549)

Have a look what the booklet for
XYZ(23.3551, 23.9682, 39.9549)
contains.

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Color

**XYZ(23.2459, 23.8333,
39.9343)**

Conversions

Conversions Part 1

Format	Color
Hex	7886A7
RGB	120, 134, 167
RGB Percent	47%, 53%, 65%
CMY	0.5294, 0.4745, 0.3451
CMYK	0.28, 0.20, 0.00, 0.35
HSL	222°, 21%, 56%
HSV	222°, 28%, 65%
XYZ	23.2459, 23.8333, 39.9343
YIQ	133.5760, -18.9370, 7.2950

Conversions

Conversions Part 2

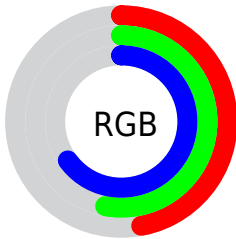
Format	Color
R_{YB}	120, 131, 167
Decimal	7898791
CIE _{Lab}	55.92, 2.68, -19.16
CIE _{LCh}	56, 19.347, 277.969
Yxy	23.8333, 0.2672, 0.2739
Android (android.graphics.Color)	4286088871 (0xFF7886A7)
YUV	133.5760, 16.4780, -11.9062
Hunter-Lab	48.8194, -0.4391, -14.3257

Details

The XYZ color **23.2459, 23.8333, 39.9343** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.7181, 32.3543, 22.3960**, and the grayscale version is **22.4517, 23.6210, 25.7232**.

A 20% lighter version of the original color is **48.1887, 49.6988, 76.1603**, and **8.8688, 9.0369, 17.4965** is the 20% darker color. If you saturate the color by 10%, you get **19.5970, 19.6788, 39.3251**, and if you desaturate by 10%, it is **27.4799, 28.5573, 40.6234**.

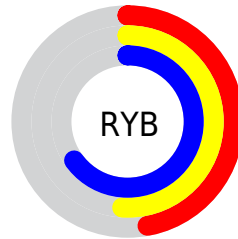
Distribution



Red (47%)

Green (53%)

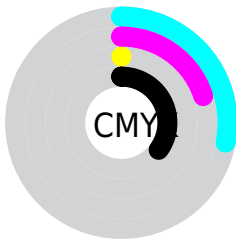
Blue (65%)



Red (47%)

Yellow (51%)

Blue (65%)

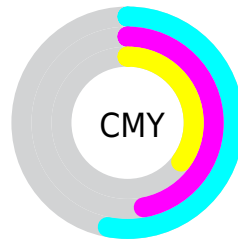


Cyan (28%)

Magenta (20%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2459, 23.8333, 39.9343 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 23.2459, 23.8333, 39.9343 by changing the saturation by 10% instead.

■ 23.2459, 23.8333,
39.9343

■ 23.2459, 23.8333,
39.9343

261.4973,
271.9766, 361.3904

■ 14.8969, 15.2100,
27.1739

■ 48.2605, 49.7580,
76.2995

■ 8.8329, 8.9669,
17.4703

■ 65.6567, 67.8283,
100.7413

■ 4.6886, 4.7196,
10.4049

■ 86.7994, 89.8163,
129.9141

■ 2.0986, 2.0837,
5.5591

112.0540,
116.1064, 164.2363

■ 0.6884, 0.6554,
2.5145

141.7857,
147.0832, 204.1265

■ 0.0000, 0.0000,
0.8478

176.3599,

■ 0.0000, 0.0000,

183.1308, 250.0032

0.0000

216.1420,
224.6339, 302.2850

■ 23.2459, 23.8333,
39.9343

■ 23.2459, 23.8333,
39.9343

■ 19.5970, 19.6788,
39.3251

■ 27.4799, 28.5573,
40.6234

■ 16.5043, 16.0686,
38.7913

■ 32.3219, 33.8692,
41.3935

■ 13.9393, 12.9794,
38.3302

■ 37.7961, 39.7900,
42.2478

■ 11.8704, 10.3853,
37.9385

■ 43.9247, 46.3387,
43.1888

■ 10.2620, 8.2576,
37.6126

■ 50.7290, 53.5334,
44.2189

■ 9.0734, 6.5643,
37.3484

■ 58.2290, 61.3918,
45.3404

■ 8.2386, 5.2594,
37.1406

■ 66.4441, 69.9305,
46.5556

■ 8.1050, 5.0498,
37.1071

■ 75.3928, 79.1656,
47.8665

■ 79.2371, 86.0940,
49.0012

Harmonies

Analogous

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



21.0988, 23.8333, 38.9171



23.2459, 23.8333, 39.9343



25.3637, 23.8333, 36.7524

Triad

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



23.2459, 23.8333, 39.9343



26.1636, 23.8333, 19.1718



18.9443, 23.8333, 21.6555

Complementary

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



23.2459, 23.8333, 39.9343



30.7181, 32.3543, 22.3960

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.



20.1424, 23.8333, 17.5041



23.2459, 23.8333, 39.9343



24.2813, 23.8333, 16.2407

Square

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



23.2459, 23.8333, 39.9343



27.1181, 23.8333, 24.3027



22.0699, 23.8333, 15.6840



18.7068, 23.8333, 27.6710

Rectangle

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



23.2459, 23.8333, 39.9343



26.4420, 23.8333, 32.9407



22.0699, 23.8333, 15.6840



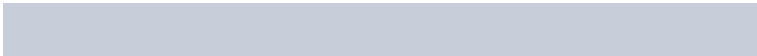
19.2442, 23.8333, 20.0264

Sweetspot

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



23.2467, 23.8342, 39.9348



57.8839, 60.6548, 74.1320



27.3065, 33.9276, 35.2037



12.6533, 13.2463, 16.5420



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.



23.2467, 23.8342, 39.9348



37.2857, 37.7545, 70.7975



22.8063, 20.9222, 39.3960



7.3072, 7.6513, 9.5101



6.2402, 3.9406, 28.4072



0.1958, 0.1839, 0.7058

Inverse Universe

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



26.9565, 23.3704, 25.6454



45.1640, 37.0918, 40.3802



31.2314, 36.2226, 23.1156



7.6197, 7.5777, 8.3143



12.6504, 6.4689, 2.9705



0.3300, 0.1663, 0.1892

Previews

White Background



This preview shows how the XYZ color 23.2459, 23.8333, 39.9343 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 23.2459, 23.8333, 39.9343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

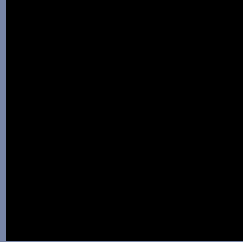
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

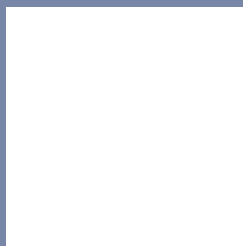
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2459, 23.8333, 39.9343

Background



This preview shows how black text looks on a background with the XYZ color 23.2459, 23.8333, 39.9343.

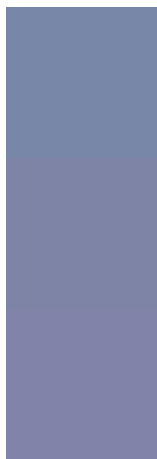


This preview shows how white text looks on a background with the XYZ color 23.2459, 23.8333,

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

23.2459, 23.8333, 39.9343

Protanopia

23.7384, 23.6913, 39.3981

Deuteranopia

24.2374, 23.7269, 40.3481



Tritanopia

21.4934, 23.7424, 31.4669

Trichromacy



Original Color

23.2459, 23.8333, 39.9343

Protanomaly

23.5826, 23.8133, 39.4299

Deuteranomaly

23.9233, 23.7653, 40.3721

Tritanomaly

22.0567, 23.7568, 34.4334

Monochromacy



Original Color

23.2459, 23.8333, 39.9343

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.7667, 23.7926, 30.5866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2459, 23.8333, 39.9343 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 134, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 134, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.2459, 23.8333, 39.9343 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, 167) }
```


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

```
.border{ border-color:rgb(120, 134, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 134, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 134, 167);  
box-shadow:4px 4px 4px 4px rgb(120, 134,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2459, 23.8333, 39.9343 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, 167) }
```

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

```
.background{ background-color: rgb(120,  
134, 167) }
```

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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