

Converting Colors

XYZ(23.9854, 25.1830, 38.9109)

Have a look what the booklet for
XYZ(23.9854, 25.1830, 38.9109)
contains.

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Color

**XYZ(23.8154, 24.9949,
38.6912)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8AA4
RGB	122, 138, 164
RGB Percent	48%, 54%, 64%
CMY	0.5216, 0.4588, 0.3569
CMYK	0.26, 0.16, 0.00, 0.36
HSL	217°, 19%, 56%
HSV	217°, 26%, 64%
XYZ	23.8154, 24.9949, 38.6912
YIQ	136.1800, -17.8820, 4.6940

Conversions

Conversions Part 2

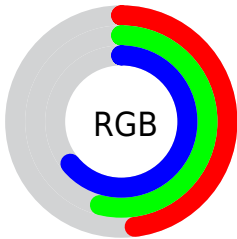
Format	Color
R _Y B	122, 134, 164
Decimal	8030884
CIE Lab	57.07, 0.26, -15.68
CIE LCh	57, 15.679, 270.944
Yxy	24.9949, 0.2722, 0.2857
Android (android.graphics.Color)	4286220964 (0xFF7A8AA4)
YUV	136.1800, 13.7153, -12.4359
Hunter-Lab	49.9949, -2.4614, -10.8883

Details

The XYZ color **23.8154, 24.9949, 38.6912** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.4129, 30.4777, 22.7457**, and the grayscale version is **23.4248, 24.6448, 26.8381**.

A 20% lighter version of the original color is **49.0962, 51.4900, 74.3688**, and **9.0868, 9.5270, 16.6892** is the 20% darker color. If you saturate the color by 10%, you get **20.2973, 21.1197, 38.1291**, and if you desaturate by 10%, it is **27.8631, 29.3465, 39.3182**.

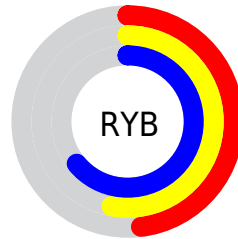
Distribution



Red (48%)

Green (54%)

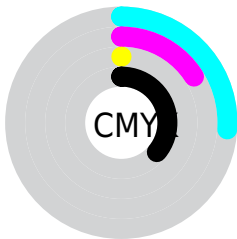
Blue (64%)



Red (48%)

Yellow (53%)

Blue (64%)

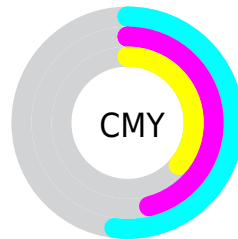


Cyan (26%)

Magenta (16%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (46%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8154, 24.9949, 38.6912 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 23.8154, 24.9949, 38.6912 by changing the saturation by 10% instead.

■ 23.8154, 24.9949,
38.6912

■ 23.8154, 24.9949,
38.6912

264.3437,
277.8125, 355.9625

■ 15.3207, 16.0733,
26.2136

■ 49.1857, 51.6489,
74.3815

■ 9.1326, 9.5760,
16.7563

■ 66.7920, 70.1501,
98.4312

■ 4.8856, 5.1188,
9.9008

■ 88.1662, 92.6133,
127.1755

■ 2.2143, 2.3171,
5.2285

113.6737,
119.4228, 161.0327

■ 0.7503, 0.7827,
2.3209

143.6799,
150.9631, 200.4215

■ 0.0000, 0.0000,
0.7429

178.5500,

■ 0.0000, 0.0000,

187.6186, 245.7603

0.0000

218.6495,
229.7736, 297.4678

■ 23.8154, 24.9949,
38.6912

■ 23.8154, 24.9949,
38.6912

■ 20.2973, 21.1197,
38.1291

■ 27.8631, 29.3465,
39.3182

■ 17.2832, 17.7003,
37.6279

■ 32.4599, 34.1879,
40.0104

■ 14.7485, 14.7189,
37.1860

■ 37.6272, 39.5361,
40.7704

■ 12.6656, 12.1553,
36.8010

■ 43.3844, 45.4057,
41.5999

■ 11.0040, 9.9873,
36.4701

■ 49.7501, 51.8113,
42.5008

■ 9.7285, 8.1902,
36.1905

■ 56.7420, 58.7666,
43.4748

■ 8.7946, 6.7339,
35.9586

■ 64.3770, 66.2847,
44.5235

■ 8.4498, 6.1782,
35.8695

■ 72.6715, 74.3784,
45.6486

■ 76.0629, 80.1844,
46.5905

Harmonies

Analogous

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



22.0752, 24.9949, 37.0985



23.8154, 24.9949, 38.6912



25.6283, 24.9949, 36.8931

Triad

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



23.8154, 24.9949, 38.6912



26.9316, 24.9949, 22.3177



20.7886, 24.9949, 22.5727

Complementary

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



23.8154, 24.9949, 38.6912



29.4129, 30.4777, 22.7457

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.



21.9789, 24.9949, 19.3977



23.8154, 24.9949, 38.6912



25.5220, 24.9949, 19.2644

Square

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



23.8154, 24.9949, 38.6912



27.4838, 24.9949, 27.0481



23.6985, 24.9949, 18.2675



20.3832, 24.9949, 27.3829

Rectangle

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



23.8154, 24.9949, 38.6912



26.6198, 24.9949, 34.1324



23.6985, 24.9949, 18.2675



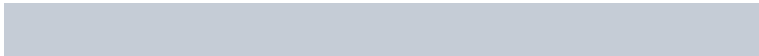
21.1070, 24.9949, 21.3020

Sweetspot

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



23.8162, 24.9959, 38.6918



56.7020, 59.7365, 72.2941



26.6395, 32.8239, 32.9077



12.1265, 12.7765, 15.7645



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.8162, 24.9959, 38.6918



39.3013, 41.0662, 69.6075



22.3986, 21.1045, 38.0154



6.9113, 7.2817, 8.9443



6.5220, 4.8233, 27.5170



0.1818, 0.1908, 0.5931

Inverse Universe

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



26.8575, 23.6473, 27.1947



45.9003, 38.4636, 44.5888



31.1067, 35.3377, 23.5945



7.1802, 7.1285, 7.9354



12.4375, 6.3310, 4.2283



0.2839, 0.1421, 0.2077

Previews

White Background



This preview shows how the XYZ color 23.8154, 24.9949, 38.6912 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 23.8154, 24.9949, 38.6912 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

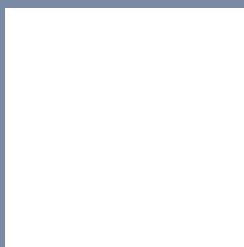
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8154, 24.9949, 38.6912

Background



This preview shows how black text looks on a background with the XYZ color 23.8154, 24.9949, 38.6912.



This preview shows how white text looks on a background with the XYZ color 23.8154, 24.9949,

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

23.8154, 24.9949, 38.6912

Protanopia

24.6858, 25.0422, 37.7150

Deuteranopia

25.4700, 25.0010, 39.0806



Tritanopia

22.5717, 24.9125, 32.8971

Trichromacy



Original Color

23.8154, 24.9949, 38.6912

Protanomaly

24.4586, 25.1249, 38.2108

Deuteranomaly

24.8156, 24.8699, 39.0897

Tritanomaly

22.9791, 24.8586, 35.0396

Monochromacy



Original Color

23.8154, 24.9949, 38.6912

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.4940, 24.7919, 30.7412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8154, 24.9949, 38.6912 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(122, 138, 164)` looks like.

```
.text, #text, p{  
    color:rgb(122, 138, 164)  
}
```

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(122, 138, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 138, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.8154, 24.9949, 38.6912 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(122, 138, 164) }
```


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

```
.border{ border-color:rgb(122, 138, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 138, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 138, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 138, 164);  
box-shadow:4px 4px 4px 4px rgb(122, 138,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8154, 24.9949, 38.6912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 138, 164) }
```

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

```
.background{ background-color: rgb(122,  
138, 164) }
```

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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