

Converting Colors

XYZ(23.8162, 22.0892, 34.9067)

Have a look what the booklet for
XYZ(23.8162, 22.0892, 34.9067)
contains.

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Color

**XYZ(23.8162, 22.0892,
34.9067)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7B9D
RGB	139, 123, 157
RGB Percent	55%, 48%, 62%
CMY	0.4549, 0.5176, 0.3843
CMYK	0.11, 0.22, 0.00, 0.38
HSL	268°, 15%, 55%
HSV	268°, 22%, 62%
XYZ	23.8162, 22.0892, 34.9067
YIQ	131.6600, -1.3780, 13.9660

Conversions

Conversions Part 2

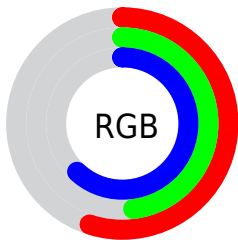
Format	Color
RYB	139, 123, 157
Decimal	9141149
CIELab	54.12, 12.97, -15.98
CIElCh	54, 20.585, 309.065
Yxy	22.0892, 0.2947, 0.2733
Android (android.graphics.Color)	4287331229 (0xFF8B7B9D)
YUV	131.6600, 12.4926, 6.4372
Hunter-Lab	46.9991, 8.2040, -11.1358

Details

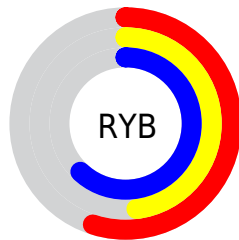
The XYZ color **23.8162, 22.0892, 34.9067** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.6174, 31.2073, 23.3607**, and the grayscale version is **21.7672, 22.9008, 24.9390**.

A 20% lighter version of the original color is **49.4013, 47.1416, 68.7829**, and **9.1701, 8.0620, 14.7085** is the 20% darker color. If you saturate the color by 10%, you get **20.6872, 17.8136, 34.2467**, and if you desaturate by 10%, it is **27.3645, 27.0458, 35.6768**.

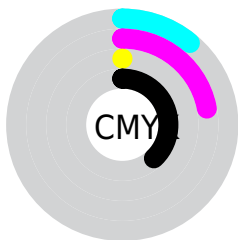
Distribution



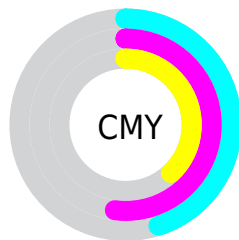
- Red (55%)
- Green (48%)
- Blue (62%)



- Red (55%)
- Yellow (48%)
- Blue (62%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)
- Black (38%)



- Cyan (45%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8162, 22.0892, 34.9067 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 23.8162, 22.0892, 34.9067 by changing the saturation by 10% instead.

■ 23.8162, 22.0892,
34.9067

■ 23.8162, 22.0892,
34.9067

264.3477,
263.0117, 339.0481

■ 15.3213, 13.9225,
23.3080

■ 49.1870, 46.8934,
68.4911

■ 9.1330, 8.0668,
14.6137

■ 66.7936, 64.2996,
91.3140

■ 4.8858, 4.1377,
8.4051

■ 88.1681, 85.5545,
118.7153

■ 2.2145, 1.7509,
4.2638

113.6760,
111.0423, 151.1137

■ 0.7504, 0.4563,
1.7711

143.6825,
141.1476, 188.9276

■ 0.0000, 0.0000,
0.4088

178.5531,

■ 0.0000, 0.0000,

176.2546, 232.5756

0.0000

218.6530,
216.7479, 282.4762

■ 23.8162, 22.0892,
34.9067

■ 23.8162, 22.0892,
34.9067

■ 20.6872, 17.8136,
34.2467

■ 27.3645, 27.0458,
35.6768

■ 17.9582, 14.1852,
33.6902

■ 31.3461, 32.7095,
36.5601

■ 15.6115, 11.1716,
33.2322

■ 35.7770, 39.1085,
37.5617

■ 13.6269, 8.7364,
32.8667

■ 40.6716, 46.2684,
38.6857

■ 11.9822, 6.8390,
32.5872

■ 46.0437, 54.2137,
39.9362

10.6525, 5.4336,
32.3860

51.9064, 62.9679,
41.3169

9.6087, 4.4660,
32.2542

58.2724, 72.5532,
42.8315

8.9006, 3.8854,
32.1795

65.1539, 82.9912,
44.4836

69.5223, 88.2221,
45.2630

Harmonies

Analogous

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



21.6783, 22.0892, 38.3375



23.8162, 22.0892, 34.9067



25.2619, 22.0892, 28.7135

Triad

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



23.8162, 22.0892, 34.9067



22.5655, 22.0892, 14.3050



17.0375, 22.0892, 26.0394

Complementary

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



23.8162, 22.0892, 34.9067



26.6174, 31.2073, 23.3607

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.



17.2380, 22.0892, 19.9234



23.8162, 22.0892, 34.9067



20.3265, 22.0892, 13.8450

Square

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



23.8162, 22.0892, 34.9067



24.5050, 22.0892, 17.1101



18.4061, 22.0892, 15.7181



17.8375, 22.0892, 32.6542

Rectangle

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



23.8162, 22.0892, 34.9067



25.5830, 22.0892, 24.2524



18.4061, 22.0892, 15.7181



16.9914, 22.0892, 23.8515

Sweetspot

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



23.8169, 22.0901, 34.9072



52.8584, 53.8942, 64.7434



23.7995, 25.7352, 35.6117



11.5386, 11.7274, 14.2258



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.8169, 22.0901, 34.9072



39.8454, 35.7006, 61.9176



26.8539, 23.6558, 35.0493



6.5667, 6.5806, 8.3308



7.2710, 3.1774, 26.1373



0.1785, 0.0818, 0.4696

Inverse Universe

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



25.7961, 23.2581, 28.3300



44.1029, 38.2141, 47.7213



23.9644, 29.8396, 23.2365



6.7724, 6.7019, 7.6527



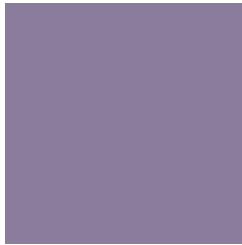
12.5839, 6.3381, 7.3256



0.2463, 0.1218, 0.2431

Previews

White Background



This preview shows how the XYZ color 23.8162, 22.0892, 34.9067 looks on a white background.

Color Contrast Check

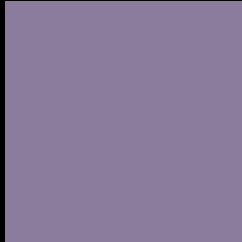
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8162, 22.0892, 34.9067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

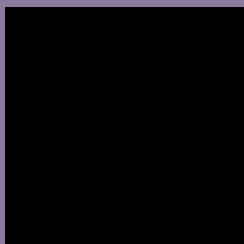
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8162, 22.0892, 34.9067

Background



This preview shows how black text looks on a background with the XYZ color 23.8162, 22.0892, 34.9067.



This preview shows how white text looks on a background with the XYZ color 23.8162, 22.0892,

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

23.8162, 22.0892, 34.9067

Protanopia

22.1782, 22.1491, 36.8245

Deuteranopia

22.6434, 22.2462, 34.5530



Tritanopia

22.2581, 22.2191, 26.7825

Trichromacy



Original Color

23.8162, 22.0892, 34.9067

Protanomaly

22.7081, 22.0490, 36.3167

Deuteranomaly

23.1345, 22.3086, 34.5392

Tritanomaly

22.8114, 22.2537, 29.4787

Monochromacy



Original Color

23.8162, 22.0892, 34.9067

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.6496, 22.7745, 28.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8162, 22.0892, 34.9067 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(139, 123, 157)` looks like.

```
.text, #text, p{  
    color:rgb(139, 123, 157)  
}
```

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(139, 123, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 123, 157) }
```

Border

The CSS property to change the border of an element to XYZ 23.8162, 22.0892, 34.9067 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(139, 123, 157) }
```


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

```
.border{ border-color:rgb(139, 123, 157) }
```

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

Here you see how a box with a 4 pixel rgb(139, 123, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 123, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 123, 157);  
box-shadow:4px 4px 4px 4px rgb(139, 123,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8162, 22.0892, 34.9067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 123, 157) }
```

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

```
.background{ background-color: rgb(139,  
123, 157) }
```

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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