

Converting Colors

XYZ(34.8777, 38.7915, 50.1104)

Have a look what the booklet for
XYZ(34.8777, 38.7915, 50.1104)
contains.

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Color

**XYZ(34.8731, 38.9022,
49.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	91ACB6
RGB	145, 172, 182
RGB Percent	57%, 67%, 71%
CMY	0.4314, 0.3255, 0.2863
CMYK	0.20, 0.05, 0.00, 0.29
HSL	196°, 20%, 64%
HSV	196°, 20%, 71%
XYZ	34.8731, 38.9022, 49.9268
YIQ	165.0670, -19.3020, -2.6140

Conversions

Conversions Part 2

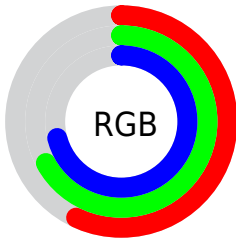
Format	Color
R_{YB}	145, 161, 182
Decimal	9546934
CIE _{Lab}	68.68, -7.05, -8.22
CIE _{LCh}	69, 10.834, 229.385
Yxy	38.9022, 0.2819, 0.3145
Android (android.graphics.Color)	4287737014 (0xFF91ACB6)
YUV	165.0670, 8.3480, -17.5988
Hunter-Lab	62.3716, -9.3478, -3.7999

Details

The XYZ color **34.8731, 38.9022, 49.9268** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1240, 35.4322, 31.7241**, and the grayscale version is **35.7651, 37.6277, 40.9765**.

A 20% lighter version of the original color is **66.4549, 73.2533, 91.5257**, and **15.2950, 17.3976, 23.3208** is the 20% darker color. If you saturate the color by 10%, you get **31.0010, 35.5431, 49.4832**, and if you desaturate by 10%, it is **39.2960, 42.5986, 50.4078**.

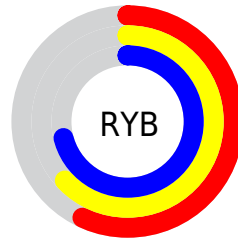
Distribution



Red (57%)

Green (67%)

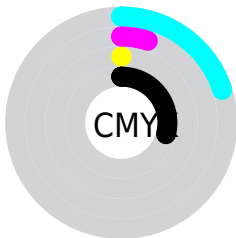
Blue (71%)



Red (57%)

Yellow (63%)

Blue (71%)

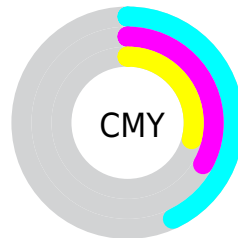


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (33%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8731, 38.9022, 49.9268 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 34.8731, 38.9022, 49.9268 by changing the saturation by 10% instead.

■ 34.8731, 38.9022,
49.9268

■ 34.8731, 38.9022,
49.9268

315.5257,
341.4745, 403.1065

■ 23.7312, 26.6837,
34.9845

■ 66.6245, 73.4889,
91.4616

■ 15.2580, 17.3358,
23.3675

■ 87.9646, 96.6258,
118.8911

■ 9.0881, 10.4742,
14.6572

113.4349,
124.1710, 151.3202

■ 4.8563, 5.7145,
8.4352

143.4007,
156.5088, 189.1672

■ 2.1971, 2.6722,
4.2829

178.2273,
194.0237, 232.8508

■ 0.7412, 0.9631,
1.7818

218.2801,

■ 0.0000, 0.0000,

237.1000, 282.7896

0.4159

263.9244,
286.1221, 339.4019

■ 0.0000, 0.0000,
0.0000

■ 34.8731, 38.9022,
49.9268

■ 34.8731, 38.9022,
49.9268

■ 31.0010, 35.5431,
49.4832

■ 39.2960, 42.5986,
50.4078

■ 27.6513, 32.5033,
49.0729

■ 44.2892, 46.6400,
50.9247

■ 24.7986, 29.7699,
48.6957

■ 49.8759, 51.0399,
51.4795

■ 22.4134, 27.3273,
48.3500

■ 56.0764, 55.8092,
52.0733

■ 20.4633, 25.1582,
48.0341

■ 62.9105, 60.9587,
52.7070

■ 18.9113, 23.2430,
47.7462

■ 70.3969, 66.4984,
53.3817

■ 17.7138, 21.5585,
47.4841

■ 71.8583, 68.9868,
53.7850

■ 16.8068, 20.1039,
47.2512

■ 73.0641, 71.3984,
54.1869

■ 74.3073, 73.8848,
54.6013

Harmonies

Analogous

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



33.9556, 38.9022, 45.5654



34.8731, 38.9022, 49.9268



36.3721, 38.9022, 52.3188

Triad

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



34.8731, 38.9022, 49.9268



40.3070, 38.9022, 44.1189



35.8933, 38.9022, 34.0708

Complementary

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



34.8731, 38.9022, 49.9268



36.1240, 35.4322, 31.7241

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.



37.5853, 38.9022, 33.7490



34.8731, 38.9022, 49.9268



40.1691, 38.9022, 39.3045

Square

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



34.8731, 38.9022, 49.9268



39.5315, 38.9022, 48.7978



39.1605, 38.9022, 35.5954



34.5319, 38.9022, 36.5110

Rectangle

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



34.8731, 38.9022, 49.9268



37.5149, 38.9022, 52.3593



39.1605, 38.9022, 35.5954



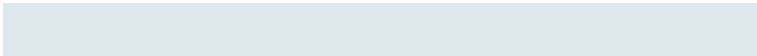
36.4411, 38.9022, 33.7188

Sweetspot

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



34.8743, 38.9038, 49.9277



74.9405, 80.2494, 91.7756



34.3110, 41.8384, 37.2197



16.4242, 17.6208, 20.2571



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



34.8743, 38.9038, 49.9277



60.2453, 67.9754, 90.1810



31.6165, 32.3884, 48.8418



9.0559, 9.7890, 11.4916



11.9259, 14.3114, 33.3869



0.4687, 0.6012, 1.1931

Inverse Universe

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



36.8641, 33.1754, 43.4921



64.4978, 56.0291, 76.3615



39.4169, 42.0181, 32.8218



9.2746, 9.1202, 10.7932



16.6333, 8.2271, 16.4876



0.6108, 0.2998, 0.7097

Previews

White Background



This preview shows how the XYZ color 34.8731, 38.9022, 49.9268 looks on a white background.

Color Contrast Check

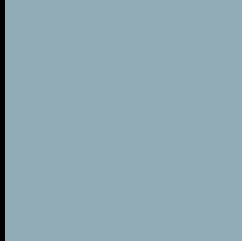
Large Text (above 18pt) WCAG AA × Fail

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 34.8731, 38.9022, 49.9268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

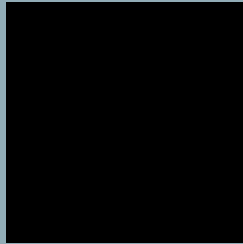
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.8731, 38.9022, 49.9268

Background



This preview shows how black text looks on a background with the XYZ color 34.8731, 38.9022, 49.9268.



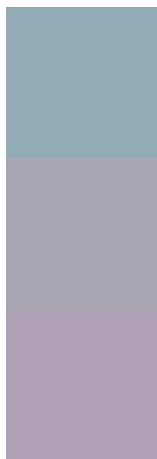
This preview shows how white text looks on a background with the XYZ color 34.8731, 38.9022,

49.9268.

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

34.8731, 38.9022, 49.9268

Protanopia

37.6084, 38.7023, 47.6076

Deuteranopia

39.6534, 38.8852, 50.7630



Tritanopia

35.1739, 38.7396, 51.5226

Trichromacy



Original Color

34.8731, 38.9022, 49.9268

Protanomaly

36.4374, 38.6309, 48.1839

Deuteranomaly

37.7005, 38.6907, 50.2808

Tritanomaly

35.0687, 38.6975, 50.9684

Monochromacy



Original Color

34.8731, 38.9022, 49.9268

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.4539, 38.2146, 44.0356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8731, 38.9022, 49.9268 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(145, 172, 182)` looks like.

```
.text, #text, p{  
    color:rgb(145, 172, 182)  
}
```

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(145, 172, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 172, 182) }
```

Border

The CSS property to change the border of an element to XYZ 34.8731, 38.9022, 49.9268 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(145, 172, 182) }
```


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

```
.border{ border-color:rgb(145, 172, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 172, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 172, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 172, 182);  
box-shadow:4px 4px 4px 4px rgb(145, 172,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8731, 38.9022, 49.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 172, 182) }
```

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

```
.background{ background-color: rgb(145,  
172, 182) }
```

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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