

# Converting Colors

XYZ(35.2803, 38.8077, 49.6369)

Have a look what the booklet for  
XYZ(35.2803, 38.8077, 49.6369)  
contains.

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# Color

**XYZ(35.4008, 38.8928,  
49.8972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95ABB6
RGB	149, 171, 182
RGB Percent	58%, 67%, 71%
CMY	0.4157, 0.3294, 0.2863
CMYK	0.18, 0.06, 0.00, 0.29
HSL	200°, 18%, 65%
HSV	200°, 18%, 71%
XYZ	35.4008, 38.8928, 49.8972
YIQ	165.6760, -16.6430, -1.2430

# Conversions

## Conversions Part 2

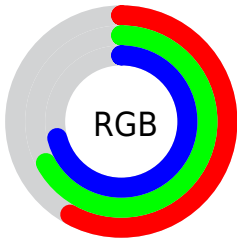
Format	Color
<a href="#">RYB</a>	<a href="#">149, 162, 182</a>
Decimal	<a href="#">9808822</a>
CIELab	<a href="#">68.67, -5.23, -8.21</a>
CIELCh	<a href="#">69, 9.729, 237.502</a>
Yxy	<a href="#">38.8928, 0.2851, 0.3132</a>
Android (android.graphics.Color)	<a href="#">4287998902</a> ( <a href="#">0xFF95ABB6</a> )
YUV	<a href="#">165.6760, 8.0477, -14.6249</a>
Hunter-Lab	<a href="#">62.3641, -7.8121, -3.7828</a>

# Details

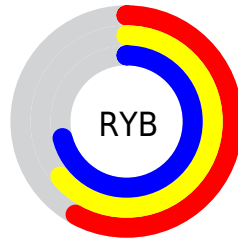
The XYZ color **35.4008, 38.8928, 49.8972** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2872, 37.2564, 33.6604**, and the grayscale version is **36.0582, 37.9361, 41.3124**.

A 20% lighter version of the original color is **67.2576, 73.2623, 91.4851**, and **15.5963, 17.3753, 23.3006** is the 20% darker color. If you saturate the color by 10%, you get **31.2170, 35.0750, 49.3814**, and if you desaturate by 10%, it is **40.1584, 43.0865, 50.4565**.

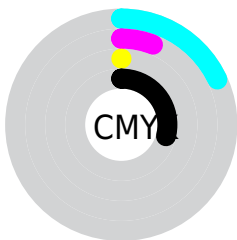
# Distribution



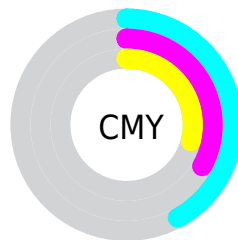
- Red (58%)
- Green (67%)
- Blue (71%)



- Red (58%)
- Yellow (64%)
- Blue (71%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)



- Cyan (42%)
- Magenta (33%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4008, 38.8928, 49.8972 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 35.4008, 38.8928, 49.8972 by changing the saturation by 10% instead.



■ 35.4008, 38.8928,  
49.8972

■ 35.4008, 38.8928,  
49.8972

317.8110,  
341.4345, 402.9873

■ 24.1397, 26.6763,  
34.9611

■ 67.4361, 73.4745,  
91.4173

■ 15.5626, 17.3303,  
23.3496

■ 88.9411, 96.6086,  
118.8384

■ 9.3041, 10.4703,  
14.6441

114.5915,  
124.1506, 151.2582

■ 4.9987, 5.7119,  
8.4262

144.7526,  
156.4851, 189.0953

■ 2.2813, 2.6707,  
4.2772

179.7897,  
193.9963, 232.7682

■ 0.7851, 0.9623,  
1.7786

220.0682,

■ 0.0000, 0.0000,

237.0686, 282.6955

0.4138

265.9536,  
286.0866, 339.2957

■ 0.0000, 0.0000,  
0.0000

■ 35.4008, 38.8928,  
49.8972

■ 35.4008, 38.8928,  
49.8972

■ 31.2170, 35.0750,  
49.3814

■ 40.1584, 43.0865,  
50.4565

■ 27.5788, 31.6144,  
48.9052

■ 45.5095, 47.6642,  
51.0581

■ 24.4608, 28.4980,  
48.4680

■ 51.4771, 52.6398,  
51.7040

■ 21.8338, 25.7096,  
48.0683

■ 58.0818, 58.0249,  
52.3953

■ 19.6659, 23.2317,  
47.7042

■ 65.3433, 63.8306,  
53.1332

■ 17.9209, 21.0444,  
47.3740

■ 72.0925, 69.4551,  
53.8631

■ 16.5564, 19.1248,  
47.0754

■ 73.5940, 72.4583,  
54.3636

■ 15.5049, 17.4369,  
46.8050

■ 75.1527, 75.5756,  
54.8832

■ 15.3233, 17.1369,  
46.7567

■ 76.7691, 78.8084,  
55.4220

# Harmonies

## Analogous

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



34.4058, 38.8928, 46.3789



35.4008, 38.8928, 49.8972



36.8378, 38.8928, 51.3817

# Triad

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



35.4008, 38.8928, 49.8972



39.9992, 38.8928, 42.7177



35.6180, 38.8928, 35.2732

# Complementary

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



35.4008, 38.8928, 49.8972



37.2872, 37.2564, 33.6604

# 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.



37.0954, 38.8928, 34.4399



35.4008, 38.8928, 49.8972



39.6511, 38.8928, 38.5571

# Square

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



35.4008, 38.8928, 49.8972



39.5162, 38.8928, 47.0612



38.5776, 38.8928, 35.6008



34.5288, 38.8928, 37.9599



# Rectangle

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



35.4008, 38.8928, 49.8972



37.8627, 38.8928, 50.9462



38.5776, 38.8928, 35.6008



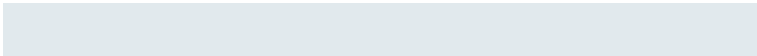
36.0845, 38.8928, 34.7755

# Sweetspot

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



35.4020, 38.8944, 49.8981



75.6457, 80.5680, 91.7999



35.4202, 42.3650, 39.3171



16.5616, 17.6691, 20.2592



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.



35.4020, 38.8944, 49.8981



60.8410, 67.4967, 90.0572



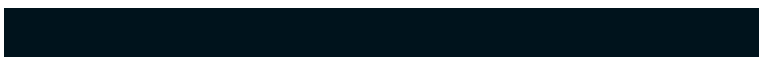
32.5682, 33.2270, 48.9535



9.0077, 9.6926, 11.4755



10.8840, 12.2278, 33.0396



0.4381, 0.5398, 1.1829



# Inverse Universe

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



37.3904, 34.3810, 43.1955



65.2062, 57.8734, 75.2796



40.2324, 43.1467, 34.6421



9.2502, 9.1105, 10.6652



16.1074, 8.0167, 13.7185



0.5953, 0.2936, 0.6281



# Previews

## White Background



This preview shows how the XYZ color 35.4008, 38.8928, 49.8972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

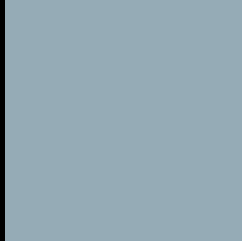
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.4008, 38.8928, 49.8972 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

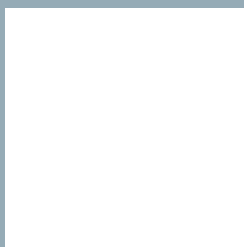
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.4008, 38.8928, 49.8972**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.4008, 38.8928, 49.8972.



This preview shows how white text looks on a background with the XYZ color 35.4008, 38.8928,



# 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

35.4008, 38.8928, 49.8972

### Protanopia

37.7093, 38.7426, 48.1384

### Deuteranopia

39.6534, 38.8852, 50.7630



## Tritanopia

35.6091, 38.9761, 50.9937

# Trichromacy



## Original Color

35.4008, 38.8928, 49.8972

## Protanomaly

36.7381, 38.7741, 48.7279

## Deuteranomaly

37.9093, 38.7983, 50.2905

## Tritanomaly

35.5046, 38.9343, 50.4435

# Monochromacy



## Original Color

35.4008, 38.8928, 49.8972

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

35.9462, 38.4574, 44.5582

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.4008, 38.8928, 49.8972 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(149, 171, 182)` looks like.

```
.text, #text, p{  
    color:rgb(149, 171, 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(149, 171, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 171, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 35.4008, 38.8928, 49.8972 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(149, 171, 182) }
```



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

```
.border{ border-color:rgb(149, 171, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 171, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 171, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 171, 182);  
box-shadow:4px 4px 4px 4px rgb(149, 171,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.4008, 38.8928, 49.8972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 171, 182) }
```

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

```
.background{ background-color: rgb(149,  
171, 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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