

Converting Colors

XYZ(36.6986, 39.7950, 48.1302)

Have a look what the booklet for
XYZ(36.6986, 39.7950, 48.1302)
contains.

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Color

**XYZ(36.7938, 39.9278,
48.4154)**

Conversions

Conversions Part 1

Format	Color
Hex	9DACB3
RGB	157, 172, 179
RGB Percent	62%, 67%, 70%
CMY	0.3843, 0.3255, 0.2980
CMYK	0.12, 0.04, 0.00, 0.30
HSL	199°, 13%, 66%
HSV	199°, 12%, 70%
XYZ	36.7938, 39.9278, 48.4154
YIQ	168.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

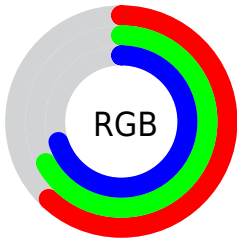
Format	Color
R _{YB}	157, 166, 179
Decimal	10333363
CIE Lab	69.42, -3.78, -5.38
CIE LCh	69, 6.574, 234.921
Yxy	39.9278, 0.2940, 0.3191
Android (android.graphics.Color)	4288523443 (0xFF9DACB3)
YUV	168.3130, 5.2687, -9.9215
Hunter-Lab	63.1884, -6.6416, -1.1965

Details

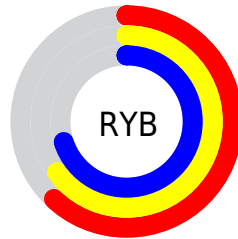
The XYZ color **36.7938, 39.9278, 48.4154** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9518, 38.5687, 37.3432**, and the grayscale version is **37.3530, 39.2982, 42.7958**.

A 20% lighter version of the original color is **69.6159, 74.9334, 89.3917**, and **16.4262, 18.0035, 22.3479** is the 20% darker color. If you saturate the color by 10%, you get **32.4939, 36.1379, 47.9111**, and if you desaturate by 10%, it is **41.6541, 44.0777, 48.9609**.

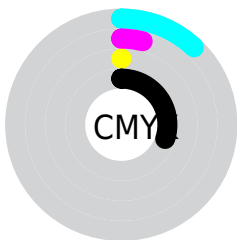
Distribution



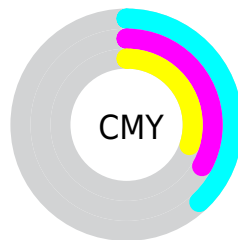
- Red (62%)
- Green (67%)
- Blue (70%)



- Red (62%)
- Yellow (65%)
- Blue (70%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)



- Cyan (38%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7938, 39.9278, 48.4154 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 36.7938, 39.9278, 48.4154 by changing the saturation by 10% instead.

■ 36.7938, 39.9278,
48.4154

■ 36.7938, 39.9278,
48.4154

323.7880,
345.8192, 396.9924

■ 25.2208, 27.4823,
33.7936

■ 69.5714, 75.0536,
89.1945

■ 16.3713, 17.9357,
22.4590

■ 91.5068, 98.5026,
116.1890

■ 9.8798, 10.9039,
13.9930

117.6270,
126.3882, 148.1448

■ 5.3810, 6.0022,
7.9771

148.2974,
159.0948, 185.4805

■ 2.5095, 2.8464,
3.9928

183.8833,
197.0068, 228.6145

■ 0.9001, 1.0521,
1.6214

224.7502,

■ 0.0000, 0.0000,

240.5086, 277.9655

0.3060

271.2633,
289.9846, 333.9519

■ 0.0000, 0.0000,
0.0000

■ 36.7938, 39.9278,
48.4154

■ 36.7938, 39.9278,
48.4154

■ 32.4939, 36.1379,
47.9111

■ 41.6541, 44.0777,
48.9609

■ 28.7282, 32.6903,
47.4442

■ 47.0928, 48.5945,
49.5460

■ 25.4736, 29.5734,
47.0141

■ 53.1311, 53.4910,
50.1729

■ 22.7035, 26.7727,
46.6195

■ 59.7883, 58.7779,
50.8425

■ 20.3893, 24.2723,
46.2588

■ 67.0827, 64.4654,
51.5559

■ 18.4986, 22.0548,
45.9305

■ 71.4877, 68.7364,
52.1481

■ 16.9948, 20.1003,
45.6325

■ 72.8847, 71.5305,
52.6138

■ 15.8342, 18.3853,
45.3626

■ 74.3319, 74.4250,
53.0962

■ 15.1046, 17.1903,
45.1704

■ 75.8298, 77.4208,
53.5955

Harmonies

Analogous

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



36.1362, 39.9278, 45.9743



36.7938, 39.9278, 48.4154



37.7705, 39.9278, 49.5356

Triad

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



36.7938, 39.9278, 48.4154



40.0113, 39.9278, 43.9920



37.1000, 39.9278, 38.4054

Complementary

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



36.7938, 39.9278, 48.4154



37.9518, 38.5687, 37.3432

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.



38.1304, 39.9278, 37.9293



36.7938, 39.9278, 48.4154



39.8238, 39.9278, 41.0671

Square

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



36.7938, 39.9278, 48.4154



39.6383, 39.9278, 46.9072



39.1305, 39.9278, 38.8819



36.3107, 39.9278, 40.2137

Rectangle

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



36.7938, 39.9278, 48.4154



38.4760, 39.9278, 49.3466



39.1305, 39.9278, 38.8819



37.4291, 39.9278, 38.0879

Sweetspot

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



36.7950, 39.9295, 48.4163



72.9789, 77.5729, 87.5078



36.7232, 42.0881, 41.2951



16.0194, 17.0600, 19.3709



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.7950, 39.9295, 48.4163



63.5130, 69.4339, 86.4358



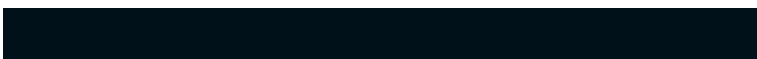
34.7927, 35.9248, 47.7489



8.5102, 9.1666, 10.8271



10.7340, 12.2683, 31.9393



0.3875, 0.4854, 1.0215

Inverse Universe

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



38.0947, 36.6770, 44.1032



66.3646, 62.4262, 76.9436



40.0003, 42.6657, 38.0260



8.7327, 8.5998, 10.0909



15.6527, 7.7786, 13.8628



0.5176, 0.2548, 0.5683

Previews

White Background



This preview shows how the XYZ color 36.7938, 39.9278, 48.4154 looks on a white background.

Color Contrast Check

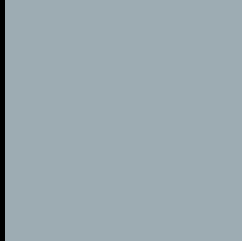
Large Text (above 18pt) WCAG AA × Fail

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 36.7938, 39.9278, 48.4154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

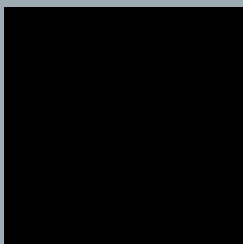
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

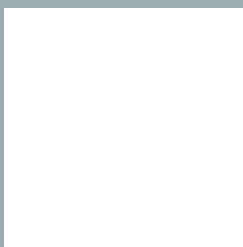
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7938, 39.9278, 48.4154

Background



This preview shows how black text looks on a background with the XYZ color 36.7938, 39.9278, 48.4154.



This preview shows how white text looks on a background with the XYZ color 36.7938, 39.9278,

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

36.7938, 39.9278, 48.4154

Protanopia

38.5160, 39.7256, 47.2328

Deuteranopia

40.6720, 39.7109, 49.2374



Tritanopia

37.4204, 39.8977, 51.6277

Trichromacy



Original Color

36.7938, 39.9278, 48.4154

Protanomaly

37.7409, 39.5896, 47.7719

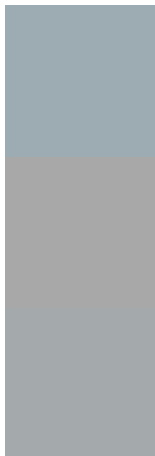
Deuteranomaly

39.0702, 39.7034, 48.7843

Tritanomaly

37.2107, 39.8138, 50.5234

Monochromacy



Original Color

36.7938, 39.9278, 48.4154

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.9442, 39.2470, 44.6580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7938, 39.9278, 48.4154 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(157, 172, 179)` looks like.

```
.text, #text, p{  
    color:rgb(157, 172, 179)  
}
```

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(157, 172, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 172, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.7938, 39.9278, 48.4154 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(157, 172, 179) }
```


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

```
.border{ border-color:rgb(157, 172, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 172, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 172, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 172, 179);  
box-shadow:4px 4px 4px 4px rgb(157, 172,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7938, 39.9278, 48.4154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 172, 179) }
```

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

```
.background{ background-color: rgb(157,  
172, 179) }
```

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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