

Converting Colors

XYZ(37.8359, 42.4639, 48.7364)

Have a look what the booklet for
XYZ(37.8359, 42.4639, 48.7364)
contains.

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Color

**XYZ(37.9671, 42.5628,
48.8622)**

Conversions

Conversions Part 1

Format	Color
Hex	9CB3B3
RGB	156, 179, 179
RGB Percent	61%, 70%, 70%
CMY	0.3882, 0.2980, 0.2980
CMYK	0.13, 0.00, 0.00, 0.30
HSL	180°, 13%, 66%
HSV	180°, 13%, 70%
XYZ	37.9671, 42.5628, 48.8622
YIQ	172.1230, -13.7080, -4.8760

Conversions

Conversions Part 2

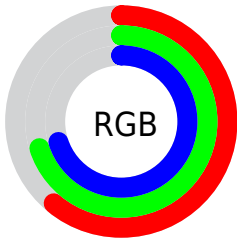
Format	Color
RYB	156, 168, 179
Decimal	10269619
CIELab	71.26, -7.87, -2.68
CIELCh	71, 8.315, 198.782
Yxy	42.5628, 0.2934, 0.3289
Android (android.graphics.Color)	4288459699 (0xFF9CB3B3)
YUV	172.1230, 3.3904, -14.1399
Hunter-Lab	65.2402, -10.2906, 1.2624

Details

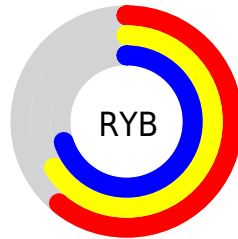
The XYZ color **37.9671, 42.5628, 48.8622** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4812, 35.7621, 36.4344**, and the grayscale version is **39.2643, 41.3091, 44.9856**.

A 20% lighter version of the original color is **71.5677, 79.2637, 90.1247**, and **16.9357, 19.3711, 22.5851** is the 20% darker color. If you saturate the color by 10%, you get **34.7555, 40.9083, 48.7117**, and if you desaturate by 10%, it is **41.6917, 44.4840, 49.0385**.

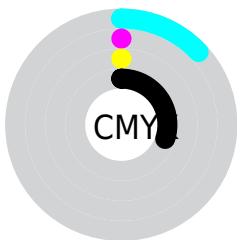
Distribution



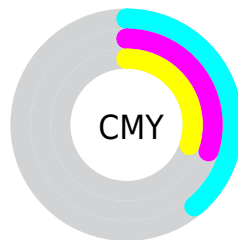
- Red (61%)
- Green (70%)
- Blue (70%)



- Red (61%)
- Yellow (66%)
- Blue (70%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (39%)
- Magenta (30%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9671, 42.5628, 48.8622 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 37.9671, 42.5628, 48.8622 by changing the saturation by 10% instead.

■ 37.9671, 42.5628,
48.8622

■ 37.9671, 42.5628,
48.8622

328.7621,
356.8107, 398.8064

■ 26.1343, 29.5422,
34.1453

■ 71.3619, 79.0507,
89.8656

■ 17.0573, 19.4914,
22.7270

■ 93.6546, 103.2868,
116.9893

■ 10.3709, 12.0259,
14.1887

120.1646,
132.0302, 149.0856

■ 5.7097, 6.7613,
8.1118

151.2574,
165.6653, 186.5732

■ 2.7084, 3.3133,
4.0777

187.2981,
204.5765, 229.8705

■ 1.0015, 1.2974,
1.6681

228.6522,

■ 0.0000, 0.1392,

249.1482, 279.3961

0.3387

275.6851,
299.7648, 335.5686

■ 0.0000, 0.0000,
0.0000

■ 37.9671, 42.5628,
48.8622

■ 37.9671, 42.5628,
48.8622

■ 34.7555, 40.9083,
48.7117

■ 41.6917, 44.4840,
49.0385

■ 32.0309, 39.5038,
48.5831

■ 45.9463, 46.6773,
49.2387

■ 29.7707, 38.3386,
48.4763

■ 50.7521, 49.1548,
49.4646

■ 27.9490, 37.3995,
48.3900

■ 56.1277, 51.9260,
49.7173

■ 26.5373, 36.6718,
48.3228

■ 62.0909, 55.0001,
49.9974

■ 25.5039, 36.1390,
48.2734

■ 65.4989, 56.7570,
50.1580

■ 24.8123, 35.7826,
48.2400

■ 65.4991, 56.7571,
50.1590

■ 24.4191, 35.5799,
48.2205

■ 65.4993, 56.7571,
50.1601

■ 24.2559, 35.4958,
48.2121

■ 65.4995, 56.7572,
50.1612

Harmonies

Analogous

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



37.8793, 42.5628, 44.8647



37.9671, 42.5628, 48.8622



38.7122, 42.5628, 52.3678

Triad

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



37.9671, 42.5628, 48.8622



42.5068, 42.5628, 51.5939



40.9789, 42.5628, 39.2071

Complementary

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



37.9671, 42.5628, 48.8622



36.4812, 35.7621, 36.4344

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.



42.2486, 42.5628, 40.8002



37.9671, 42.5628, 48.8622



43.1441, 42.5628, 47.8547

Square

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



37.9671, 42.5628, 48.8622



41.3248, 42.5628, 54.0064



43.0486, 42.5628, 43.9132



39.5969, 42.5628, 39.4423

Rectangle

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



37.9671, 42.5628, 48.8622



39.4913, 42.5628, 53.8828



43.0486, 42.5628, 43.9132



41.4336, 42.5628, 39.5427

Sweetspot

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



37.9683, 42.5646, 48.8631



73.8031, 79.2215, 87.7818



35.9067, 41.7485, 37.6190



16.2352, 17.4918, 19.4426



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.



37.9683, 42.5646, 48.8631



66.5322, 75.4733, 87.4394



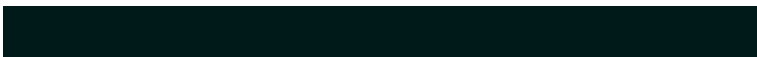
35.8293, 38.2862, 48.1514



8.7426, 9.6316, 10.9044



17.1396, 25.0818, 34.0674



0.5393, 0.7892, 1.0720

Inverse Universe

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



36.4812, 35.7621, 36.4344



63.4226, 61.2494, 61.4511



38.4328, 39.6657, 37.0839



8.4964, 8.5053, 8.8466



13.1370, 6.7723, 0.6153



0.4134, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 37.9671, 42.5628, 48.8622 looks on a white background.

Color Contrast Check

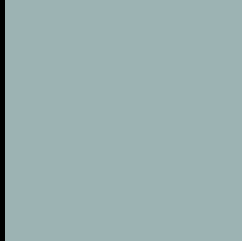
Large Text (above 18pt) WCAG AA × Fail

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 37.9671, 42.5628, 48.8622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

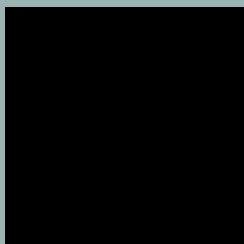
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

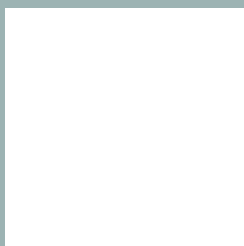
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9671, 42.5628, 48.8622

Background



This preview shows how black text looks on a background with the XYZ color 37.9671, 42.5628, 48.8622.

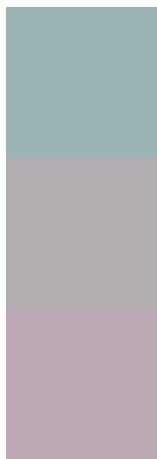


This preview shows how white text looks on a background with the XYZ color 37.9671, 42.5628,

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

37.9671, 42.5628, 48.8622

Protanopia

40.9115, 42.3688, 47.0960

Deuteranopia

43.2675, 42.4035, 49.6203



Tritanopia

39.2267, 42.4750, 55.4212

Trichromacy



Original Color

37.9671, 42.5628, 48.8622

Protanomaly

39.6280, 42.2693, 47.6651

Deuteranomaly

41.0863, 42.4125, 49.2010

Tritanomaly

38.7947, 42.5967, 53.1910

Monochromacy



Original Color

37.9671, 42.5628, 48.8622

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.7937, 41.8621, 46.5930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9671, 42.5628, 48.8622 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(156, 179, 179)` looks like.

```
.text, #text, p{  
    color:rgb(156, 179, 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(156, 179, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 179, 179) }
```

Border

The CSS property to change the border of an element to XYZ 37.9671, 42.5628, 48.8622 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(156, 179, 179) }
```


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

```
.border{ border-color:rgb(156, 179, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 179, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 179, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 179, 179);  
box-shadow:4px 4px 4px 4px rgb(156, 179,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9671, 42.5628, 48.8622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 179, 179) }
```

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

```
.background{ background-color: rgb(156,  
179, 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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