

Converting Colors

XYZ(33.8640, 37.5290, 42.7993)

Have a look what the booklet for
XYZ(33.8640, 37.5290, 42.7993)
contains.

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Color

**XYZ(33.7417, 37.3539,
42.9678)**

Conversions

Conversions Part 1

Format	Color
Hex	96A8A9
RGB	150, 168, 169
RGB Percent	59%, 66%, 66%
CMY	0.4118, 0.3412, 0.3372
CMYK	0.11, 0.01, 0.00, 0.34
HSL	183°, 10%, 63%
HSV	183°, 11%, 66%
XYZ	33.7417, 37.3539, 42.9678
YIQ	162.7320, -11.0490, -3.5050

Conversions

Conversions Part 2

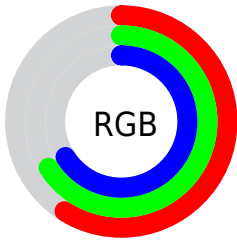
Format	Color
RYB	150, 159, 169
Decimal	9873577
CIELab	67.54, -6.06, -2.66
CIELCh	68, 6.617, 203.709
Yxy	37.3539, 0.2958, 0.3275
Android (android.graphics.Color)	4288063657 (0xFF96A8A9)
YUV	162.7320, 3.0901, -11.1660
Hunter-Lab	61.1178, -8.4106, 1.0997

Details

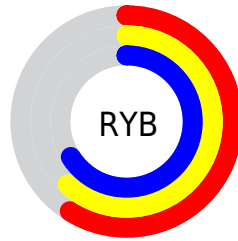
The XYZ color **33.7417, 37.3539, 42.9678** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9339, 32.7699, 33.4440**, and the grayscale version is **34.6769, 36.4828, 39.7298**.

A 20% lighter version of the original color is **64.7441, 70.9945, 80.8119**, and **14.6019, 16.4278, 19.2309** is the 20% darker color. If you saturate the color by 10%, you get **30.6905, 35.5396, 42.7790**, and if you desaturate by 10%, it is **37.2447, 39.4048, 43.1796**.

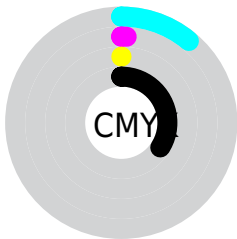
Distribution



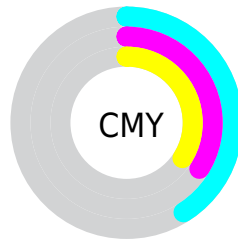
- Red (59%)
- Green (66%)
- Blue (66%)



- Red (59%)
- Yellow (62%)
- Blue (66%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (41%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7417, 37.3539, 42.9678 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 33.7417, 37.3539, 42.9678 by changing the saturation by 10% instead.

■ 33.7417, 37.3539,
42.9678

■ 33.7417, 37.3539,
42.9678

310.5850,
334.8402, 374.3967

■ 22.8572, 25.4816,
29.5286

■ 64.8788, 71.1167,
80.9481

■ 14.6082, 16.4362,
19.2321

■ 85.8620, 93.7761,
106.3263

■ 8.6294, 9.8334,
11.6596

110.9422,
120.7999, 136.5213

■ 4.5554, 5.2886,
6.3926

140.4847,
152.5727, 171.9516

■ 2.0209, 2.4176,
3.0126

174.8549,
189.4787, 213.0357

■ 0.6457, 0.8349,
1.1011

214.4181,

■ 0.0000, 0.0000,

231.9023, 260.1923

0.0000

259.5397,
280.2280, 313.8397

■ 33.7417, 37.3539,
42.9678

■ 33.7417, 37.3539,
42.9678

■ 30.6905, 35.5396,
42.7790

■ 37.2447, 39.4048,
43.1796

■ 28.0687, 33.9474,
42.6099

■ 41.2143, 41.6968,
43.4128

■ 25.8571, 32.5683,
42.4602

■ 45.6685, 44.2403,
43.6690

■ 24.0333, 31.3907,
42.3291

■ 50.6234, 47.0436,
43.9489

■ 22.5732, 30.4023,
42.2152

■ 56.0945, 50.1147,
44.2533

■ 21.4497, 29.5891,
42.1175

■ 62.0964, 53.4611,
44.5829

■ 20.6321, 28.9351,
42.0344

■ 63.5789, 54.4793,
44.7013

■ 20.0840, 28.4218,
41.9642

■ 63.7511, 54.8238,
44.7587

■ 19.7550, 28.0514,
41.9100

■ 63.9245, 55.1705,
44.8165

Harmonies

Analogous

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



33.5936, 37.3539, 40.0609



33.7417, 37.3539, 42.9678



34.3579, 37.3539, 45.3594

Triad

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



33.7417, 37.3539, 42.9678



37.1048, 37.3539, 44.0808



35.7187, 37.3539, 35.3510

Complementary

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



33.7417, 37.3539, 42.9678



32.9339, 32.7699, 33.4440

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.



36.6749, 37.3539, 36.3192



33.7417, 37.3539, 42.9678



37.4850, 37.3539, 41.2894

Square

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



33.7417, 37.3539, 42.9678



36.2966, 37.3539, 46.0232



37.3261, 37.3539, 38.4596



34.7226, 37.3539, 35.7526

Rectangle

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



33.7417, 37.3539, 42.9678



34.9575, 37.3539, 46.2931



37.3261, 37.3539, 38.4596



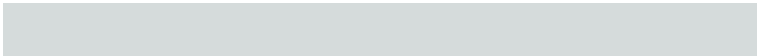
36.0556, 37.3539, 35.5255

Sweetspot

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



33.7428, 37.3555, 42.9686



65.5051, 69.8741, 77.2597



32.3480, 37.0933, 34.7121



14.1657, 15.1645, 16.8326



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.7428, 37.3555, 42.9686



59.2795, 66.2205, 76.8826



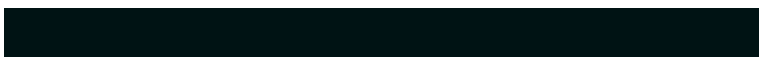
32.0605, 33.9909, 42.4079



7.7133, 8.4636, 9.6454



14.7354, 20.9311, 31.2390



0.3683, 0.5289, 0.7633

Inverse Universe

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



34.3372, 33.0755, 41.6221



60.5182, 57.3288, 74.0709



34.5167, 35.9355, 33.9716



7.8246, 7.6597, 9.3938



16.9384, 8.1841, 25.5507



0.4171, 0.2011, 0.6478

Previews

White Background



This preview shows how the XYZ color 33.7417, 37.3539, 42.9678 looks on a white background.

Color Contrast Check

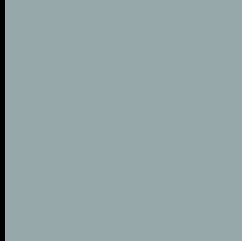
Large Text (above 18pt) WCAG AA × Fail

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 33.7417, 37.3539, 42.9678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

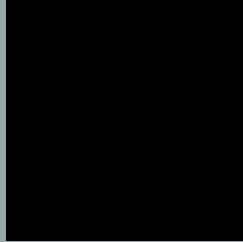
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7417, 37.3539, 42.9678

Background



This preview shows how black text looks on a background with the XYZ color 33.7417, 37.3539, 42.9678.

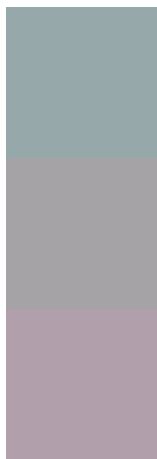


This preview shows how white text looks on a background with the XYZ color 33.7417, 37.3539,

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

33.7417, 37.3539, 42.9678

Protanopia

35.7060, 37.0546, 41.3467

Deuteranopia

37.8803, 37.0837, 43.6894



Tritanopia

34.8233, 37.2431, 48.5333

Trichromacy



Original Color

33.7417, 37.3539, 42.9678

Protanomaly

34.9274, 37.1739, 41.8936

Deuteranomaly

36.1124, 36.9584, 43.2606

Tritanomaly

34.4177, 37.3513, 46.4698

Monochromacy



Original Color

33.7417, 37.3539, 42.9678

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3472, 36.8960, 40.9087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7417, 37.3539, 42.9678 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(150, 168, 169) looks like.

```
.text, #text, p{  
    color:rgb(150, 168, 169)  
}
```

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(150, 168, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 168, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.7417, 37.3539, 42.9678 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(150, 168, 169) }
```


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

```
.border{ border-color:rgb(150, 168, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 168, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 168, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 168, 169);  
box-shadow:4px 4px 4px 4px rgb(150, 168,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7417, 37.3539, 42.9678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 168, 169) }
```

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

```
.background{ background-color: rgb(150,  
168, 169) }
```

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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