

Converting Colors

XYZ(33.4928, 37.9211, 37.2460)

Have a look what the booklet for
XYZ(33.4928, 37.9211, 37.2460)
contains.

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Color

**XYZ(33.5974, 37.9561,
37.4538)**

Conversions

Conversions Part 1

Format	Color
Hex	99AA9D
RGB	153, 170, 157
RGB Percent	60%, 67%, 62%
CMY	0.4000, 0.3333, 0.3843
CMYK	0.10, 0.00, 0.08, 0.33
HSL	134°, 9%, 63%
HSV	134°, 10%, 67%
XYZ	33.5974, 37.9561, 37.4538
YIQ	163.4350, -5.9590, -7.6470

Conversions

Conversions Part 2

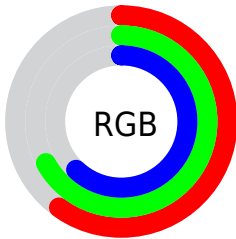
Format	Color
RYB	153, 167, 170
Decimal	10070685
CIELab	67.99, -8.49, 4.67
CIElCh	68, 9.690, 151.163
Yxy	37.9561, 0.3082, 0.3482
Android (android.graphics.Color)	4288260765 (0xFF99AA9D)
YUV	163.4350, -3.1725, -9.1515
Hunter-Lab	61.6085, -10.4723, 7.0817

Details

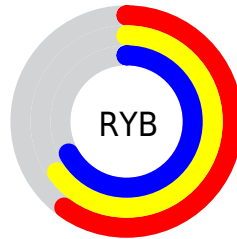
The XYZ color **33.5974, 37.9561, 37.4538** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8531, 34.0826, 40.8198**, and the grayscale version is **35.0359, 36.8605, 40.1410**.

A 20% lighter version of the original color is **64.5410, 71.8693, 72.7578**, and **14.5594, 16.8223, 16.1153** is the 20% darker color. If you saturate the color by 10%, you get **29.5630, 35.9989, 31.7762**, and if you desaturate by 10%, it is **38.2092, 40.1995, 43.7767**.

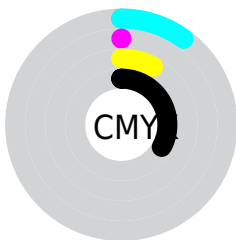
Distribution



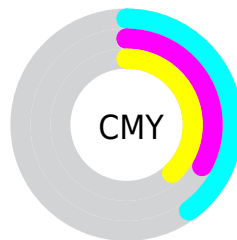
- Red (60%)
- Green (67%)
- Blue (62%)



- Red (60%)
- Yellow (65%)
- Blue (67%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5974, 37.9561, 37.4538 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 33.5974, 37.9561, 37.4538 by changing the saturation by 10% instead.

■ 33.5974, 37.9561,
37.4538

■ 33.5974, 37.9561,
37.4538

309.9507,
337.4316, 350.4987

■ 22.7459, 25.9486,
25.2605

■ 64.6556, 72.0408,
72.4643

■ 14.5257, 16.7852,
16.0505

■ 85.5929, 94.8869,
96.1186

■ 8.5713, 10.0815,
9.4051

110.6230,
122.1146, 124.4303

■ 4.5175, 5.4530,
4.9060

140.1111,
154.1083, 157.8179

■ 1.9989, 2.5154,
2.1344

174.4225,
191.2525, 196.7000

■ 0.6333, 0.8843,
0.6361

213.9227,

■ 0.0000, 0.0000,

233.9315, 241.4952

0.0000

258.9770,
282.5298, 292.6219

■ 33.5974, 37.9561,
37.4538

■ 33.5974, 37.9561,
37.4538

■ 29.5630, 35.9989,
31.7762

■ 38.2092, 40.1995,
43.7767

■ 26.0800, 34.3116,
26.7210

■ 43.4170, 42.7350,
50.7616

■ 23.1249, 32.8837,
22.2677

■ 49.2421, 45.5743,
58.4280

■ 20.6715, 31.7021,
18.3938

■ 55.7042, 48.7272,
66.7936

■ 18.6910, 30.7525,
15.0754

■ 62.8218, 52.2028,
75.8757

■ 17.1518, 30.0192,
12.2869

■ 70.6117, 56.0094,
85.6907

■ 16.0184, 29.4843,
10.0005

■ 72.5597, 56.7886,
95.9489

■ 15.2491, 29.1271,
8.1860

■ 73.6655, 57.2309,
101.7718

■ 14.7584, 28.9041,
6.8084

Harmonies

Analogous

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



34.5977, 37.9561, 34.6269



33.5974, 37.9561, 37.4538



33.2565, 37.9561, 41.4964

Triad

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



33.5974, 37.9561, 37.4538



36.1350, 37.9561, 50.1902



38.6123, 37.9561, 37.1813

Complementary

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



33.5974, 37.9561, 37.4538



34.8531, 34.0826, 40.8198

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.



39.0508, 37.9561, 41.1596



33.5974, 37.9561, 37.4538



37.5961, 37.9561, 48.8416

Square

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



33.5974, 37.9561, 37.4538



34.6968, 37.9561, 49.0301



38.6739, 37.9561, 45.4600



37.4915, 37.9561, 34.4775

Rectangle

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



33.5974, 37.9561, 37.4538



33.4414, 37.9561, 44.3961



38.6739, 37.9561, 45.4600



38.8458, 37.9561, 38.4042

Sweetspot

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



33.5985, 37.9577, 37.4546



66.6562, 71.6367, 75.7964



35.8589, 39.1618, 35.8065



14.7135, 15.9018, 16.6964



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.5985, 37.9577, 37.4546



59.2466, 68.0356, 65.5715



34.3469, 38.2571, 41.3960



7.5064, 8.4356, 8.3868



10.8746, 21.2686, 5.1064



0.2836, 0.5251, 0.2242

Inverse Universe

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



34.8531, 34.0826, 40.8198



61.9858, 59.5749, 72.9180



34.1014, 33.7819, 36.8616



7.7653, 7.6360, 9.0813



15.1811, 7.4812, 16.2972



0.3873, 0.1892, 0.4908

Previews

White Background



This preview shows how the XYZ color 33.5974, 37.9561, 37.4538 looks on a white background.

Color Contrast Check

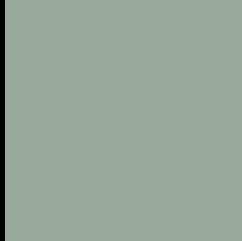
Large Text (above 18pt) WCAG AA × Fail

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 33.5974, 37.9561, 37.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

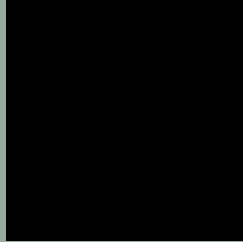
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5974, 37.9561, 37.4538

Background



This preview shows how black text looks on a background with the XYZ color 33.5974, 37.9561, 37.4538.



This preview shows how white text looks on a background with the XYZ color 33.5974, 37.9561,

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

33.5974, 37.9561, 37.4538

Protanopia

36.0825, 37.9013, 35.9858

Deuteranopia

38.5960, 37.8352, 38.0696



Tritanopia

35.9616, 38.1008, 48.6388

Trichromacy



Original Color

33.5974, 37.9561, 37.4538

Protanomaly

35.0450, 37.8965, 36.4780

Deuteranomaly

36.6806, 37.9038, 37.7306

Tritanomaly

35.1593, 38.0517, 44.5214

Monochromacy



Original Color

33.5974, 37.9561, 37.4538

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.3673, 37.2166, 39.0904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5974, 37.9561, 37.4538 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(153, 170, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 170, 157)  
}
```

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(153, 170, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 170, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.5974, 37.9561, 37.4538 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(153, 170, 157) }
```


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

```
.border{ border-color:rgb(153, 170, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 170, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 170,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5974, 37.9561, 37.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 170, 157) }
```

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

```
.background{ background-color: rgb(153,  
170, 157) }
```

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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