

Converting Colors

XYZ(33.6545, 37.0704, 42.5119)

Have a look what the booklet for
XYZ(33.6545, 37.0704, 42.5119)
contains.

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Color

**XYZ(33.6491, 37.0439,
42.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	97A7A8
RGB	151, 167, 168
RGB Percent	59%, 65%, 66%
CMY	0.4078, 0.3451, 0.3412
CMYK	0.10, 0.01, 0.00, 0.34
HSL	184°, 9%, 63%
HSV	184°, 10%, 66%
XYZ	33.6491, 37.0439, 42.4225
YIQ	162.3300, -9.8570, -3.0810

Conversions

Conversions Part 2

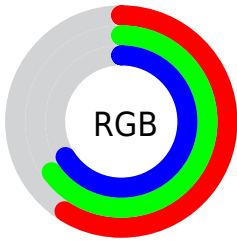
Format	Color
RYB	151, 159, 168
Decimal	9938856
CIELab	67.31, -5.38, -2.44
CIELCh	67, 5.910, 204.354
Yxy	37.0439, 0.2975, 0.3275
Android (android.graphics.Color)	4288128936 (0xFF97A7A8)
YUV	162.3300, 2.7953, -9.9364
Hunter-Lab	60.8637, -7.8260, 1.2790

Details

The XYZ color **33.6491, 37.0439, 42.4225** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9628, 33.0155, 33.9141**, and the grayscale version is **34.4888, 36.2850, 39.5143**.

A 20% lighter version of the original color is **64.6174, 70.5494, 80.0237**, and **14.5386, 16.2317, 18.8898** is the 20% darker color. If you saturate the color by 10%, you get **30.5711, 35.1911, 42.2277**, and if you desaturate by 10%, it is **37.1749, 39.1317, 42.6402**.

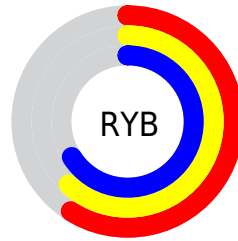
Distribution



Red (59%)

Green (65%)

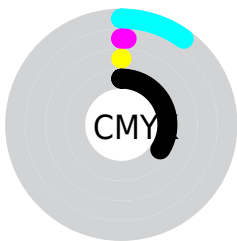
Blue (66%)



Red (59%)

Yellow (62%)

Blue (66%)

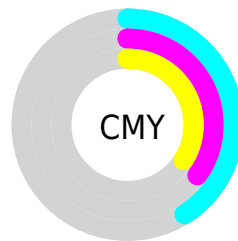


Cyan (10%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (41%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6491, 37.0439, 42.4225 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 33.6491, 37.0439, 42.4225 by changing the saturation by 10% instead.

■ 33.6491, 37.0439,
42.4225

■ 33.6491, 37.0439,
42.4225

310.1781,
333.5005, 372.0826

■ 22.7858, 25.2415,
29.1042

■ 64.7355, 70.6403,
80.1156

■ 14.5552, 16.2571,
18.9134

■ 85.6894, 93.2031,
105.3276

■ 8.5921, 9.7062,
11.4316

110.7374,
120.1214, 135.3412

■ 4.5311, 5.2046,
6.2401

140.2450,
151.7797, 170.5749

■ 2.0067, 2.3678,
2.9205

174.5775,
188.5624, 211.4474

■ 0.6377, 0.8093,
1.0542

214.1003,

■ 0.0000, 0.0000,

230.8538, 258.3772

0.0000

259.1787,
279.0384, 311.7827

■ 33.6491, 37.0439,
42.4225

■ 33.6491, 37.0439,
42.4225

■ 30.5711, 35.1911,
42.2277

■ 37.1749, 39.1317,
42.6402

■ 27.9191, 33.5589,
42.0524

■ 41.1630, 41.4587,
42.8792

■ 25.6740, 32.1385,
41.8966

■ 45.6310, 44.0353,
43.1410

■ 23.8143, 30.9188,
41.7592

■ 50.5947, 46.8695,
43.4265

■ 22.3163, 29.8876,
41.6391

■ 56.0693, 49.9691,
43.7362

■ 21.1538, 29.0314,
41.5351

■ 62.0692, 53.3415,
44.0709

■ 20.2968, 28.3347,
41.4458

■ 63.4255, 54.3222,
44.1887

■ 19.7105, 27.7795,
41.3695

■ 63.6165, 54.7043,
44.2524

■ 19.3194, 27.3300,
41.3034

■ 63.8089, 55.0891,
44.3165

Harmonies

Analogous

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



33.5074, 37.0439, 39.8467



33.6491, 37.0439, 42.4225



34.2057, 37.0439, 44.5169

Triad

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



33.6491, 37.0439, 42.4225



36.6407, 37.0439, 43.3059



35.3804, 37.0439, 35.5803

Complementary

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



33.6491, 37.0439, 42.4225



32.9628, 33.0155, 33.9141

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.



36.2319, 37.0439, 36.4226



33.6491, 37.0439, 42.4225



36.9675, 37.0439, 40.8263

Square

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



33.6491, 37.0439, 42.4225



35.9308, 37.0439, 45.0421



36.8166, 37.0439, 38.3162



34.4971, 37.0439, 35.9670

Rectangle

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



33.6491, 37.0439, 42.4225



34.7424, 37.0439, 45.3209



36.8166, 37.0439, 38.3162



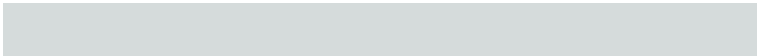
35.6800, 37.0439, 35.7280

Sweetspot

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



33.6502, 37.0455, 42.4233



65.4945, 69.8529, 77.2561



32.4210, 36.8473, 35.0455



14.1628, 15.1587, 16.8316



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.



33.6502, 37.0455, 42.4233



59.8221, 66.4819, 76.9044



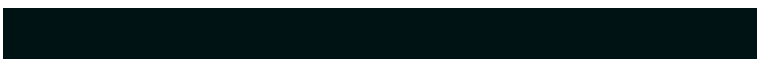
32.1690, 34.0832, 41.9296



7.7093, 8.4555, 9.6441



14.6022, 20.6645, 31.1945



0.3662, 0.5246, 0.7626

Inverse Universe

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



34.1909, 33.2488, 41.1766



60.9931, 58.2887, 74.1985



34.3665, 35.8230, 34.3820



7.8226, 7.6589, 9.3831



16.8711, 8.1572, 25.1965



0.4160, 0.2007, 0.6420

Previews

White Background



This preview shows how the XYZ color 33.6491, 37.0439, 42.4225 looks on a white background.

Color Contrast Check

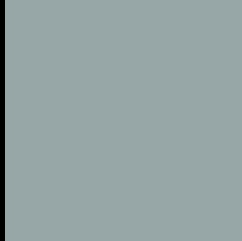
Large Text (above 18pt) WCAG AA × Fail

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 33.6491, 37.0439, 42.4225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

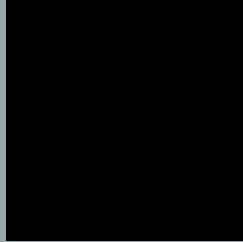
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

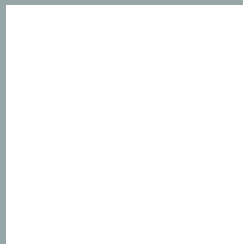
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6491, 37.0439, 42.4225

Background



This preview shows how black text looks on a background with the XYZ color 33.6491, 37.0439, 42.4225.

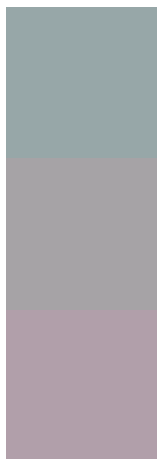


This preview shows how white text looks on a background with the XYZ color 33.6491, 37.0439,

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

33.6491, 37.0439, 42.4225

Protanopia

35.7060, 37.0546, 41.3467

Deuteranopia

37.7853, 37.0457, 43.1892



Tritanopia

34.7287, 36.9372, 47.9470

Trichromacy



Original Color

33.6491, 37.0439, 42.4225

Protanomaly

34.9485, 36.9180, 41.8431

Deuteranomaly

36.2302, 37.0301, 42.7741

Tritanomaly

34.3230, 37.0430, 45.8984

Monochromacy



Original Color

33.6491, 37.0439, 42.4225

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0769, 36.5004, 40.3712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6491, 37.0439, 42.4225 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(151, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(151, 167, 168)  
}
```

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(151, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 167, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.6491, 37.0439, 42.4225 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(151, 167, 168) }
```


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

```
.border{ border-color:rgb(151, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 167, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 167, 168); box-shadow:4px 4px 4px 4px rgb(151, 167, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6491, 37.0439, 42.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 167, 168) }
```

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

```
.background{ background-color: rgb(151,  
167, 168) }
```

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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