

Converting Colors

XYZ(33.7008, 37.9936, 39.3274)

Have a look what the booklet for
XYZ(33.7008, 37.9936, 39.3274)
contains.

XYZ(33.7566, 37.9981, 39.2734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.7566, 37.9981,
39.2734)**

Conversions

Conversions Part 1

Format	Color
Hex	98AAA1
RGB	152, 170, 161
RGB Percent	60%, 67%, 63%
CMY	0.4039, 0.3333, 0.3686
CMYK	0.11, 0.00, 0.05, 0.33
HSL	150°, 10%, 63%
HSV	150°, 11%, 67%
XYZ	33.7566, 37.9981, 39.2734
YIQ	163.5920, -7.8390, -6.6150

Conversions

Conversions Part 2

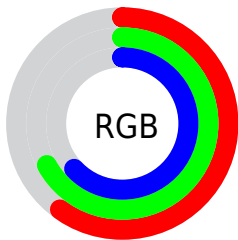
Format	Color
RYB	152, 164, 170
Decimal	10005153
CIELab	68.02, -8.06, 2.49
CIELCh	68, 8.441, 162.818
Yxy	37.9981, 0.3040, 0.3422
Android (android.graphics.Color)	4288195233 (0xFF98AAA1)
YUV	163.5920, -1.2779, -10.1662
Hunter-Lab	61.6426, -10.1247, 5.3753

Details

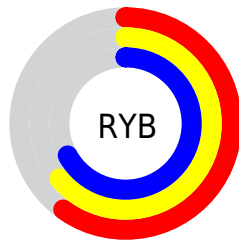
The XYZ color **33.7566, 37.9981, 39.2734** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2402, 33.5766, 38.3962**, and the grayscale version is **35.1022, 36.9303, 40.2171**.

A 20% lighter version of the original color is **64.7735, 71.9301, 75.4357**, and **14.6597, 16.8494, 17.2315** is the 20% darker color. If you saturate the color by 10%, you get **30.0758, 36.1853, 35.3202**, and if you desaturate by 10%, it is **37.9467, 40.0696, 43.5182**.

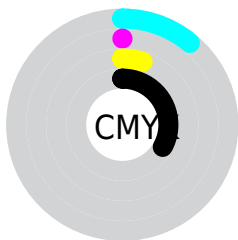
Distribution



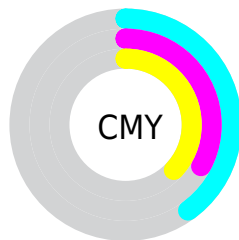
- Red (60%)
- Green (67%)
- Blue (63%)



- Red (60%)
- Yellow (64%)
- Blue (67%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (40%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7566, 37.9981, 39.2734 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 33.7566, 37.9981, 39.2734 by changing the saturation by 10% instead.

■ 33.7566, 37.9981,
39.2734

■ 33.7566, 37.9981,
39.2734

310.6504,
337.6118, 358.5121

■ 22.8687, 25.9812,
26.6630

■ 64.9018, 72.1052,
75.2807

■ 14.6167, 16.8096,
17.0901

■ 85.8898, 94.9643,
99.5148

■ 8.6354, 10.0988,
10.1361

110.9751,
122.2061, 128.4604

■ 4.5593, 5.4645,
5.3825

140.5233,
154.2152, 162.5363

■ 2.0232, 2.5223,
2.4108

174.8995,
191.3759, 202.1608

■ 0.6469, 0.8878,
0.7923

214.4692,

■ 0.0000, 0.0000,

234.0727, 247.7526

0.0000

259.5977,
282.6898, 299.7302

■ 33.7566, 37.9981,
39.2734

■ 33.7566, 37.9981,
39.2734

■ 30.0758, 36.1853,
35.3202

■ 37.9467, 40.0696,
43.5182

■ 26.8806, 34.6161,
31.6498

■ 42.6619, 42.4048,
48.0580

■ 24.1505, 33.2810,
28.2566

■ 47.9214, 45.0145,
52.8994

■ 21.8621, 32.1680,
25.1340

■ 53.7425, 47.9074,
58.0482

■ 19.9896, 31.2640,
22.2750

■ 60.1416, 51.0921,
63.5098

■ 18.5049, 30.5547,
19.6722

■ 67.1346, 54.5764,
69.2894

■ 17.3758, 30.0235,
17.3179

■ 68.6015, 55.2054,
75.1053

■ 16.5645, 29.6513,
15.2039

■ 69.7600, 55.6688,
81.2060

■ 16.0148, 29.4067,
13.4244

■ 70.9767, 56.1555,
87.6128

Harmonies

Analogous

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



34.4266, 37.9981, 36.2916



33.7566, 37.9981, 39.2734



33.7090, 37.9981, 42.9989

Triad

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



33.7566, 37.9981, 39.2734



36.6792, 37.9981, 48.8344



38.0004, 37.9981, 36.6497

Complementary

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



33.7566, 37.9981, 39.2734



34.2402, 33.5766, 38.3962

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.



38.6350, 37.9981, 39.7895



33.7566, 37.9981, 39.2734



37.8599, 37.9981, 46.9089

Square

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



33.7566, 37.9981, 39.2734



35.3751, 37.9981, 48.6753



38.5830, 37.9981, 43.5471



36.8673, 37.9981, 34.8410

Rectangle

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



33.7566, 37.9981, 39.2734



34.0349, 37.9981, 45.4186



38.5830, 37.9981, 43.5471



38.2803, 37.9981, 37.5760

Sweetspot

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



33.7577, 37.9997, 39.2742



66.8862, 71.7288, 77.0080



34.8020, 38.6265, 35.3275



14.7777, 15.9275, 17.0346



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.



33.7577, 37.9997, 39.2742



59.3911, 68.0276, 69.3065



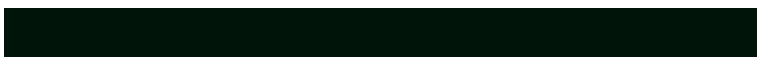
34.5523, 38.3175, 43.4585



7.5873, 8.4680, 8.8128



11.8082, 21.6421, 10.0230



0.3131, 0.5369, 0.3800

Inverse Universe

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



34.2402, 33.5766, 38.3962



60.4657, 58.1762, 67.3508



33.4990, 33.2801, 34.4932



7.6817, 7.6025, 8.6410



13.4293, 6.7805, 7.0725



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 33.7566, 37.9981, 39.2734 looks on a white background.

Color Contrast Check

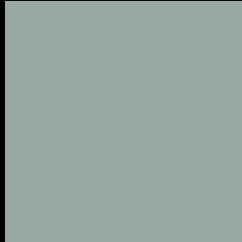
Large Text (above 18pt) WCAG AA × Fail

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 33.7566, 37.9981, 39.2734 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

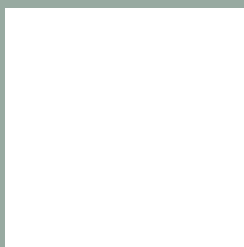
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7566, 37.9981, 39.2734

Background



This preview shows how black text looks on a background with the XYZ color 33.7566, 37.9981, 39.2734.



This preview shows how white text looks on a background with the XYZ color 33.7566, 37.9981,

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

33.7566, 37.9981, 39.2734

Protanopia

36.2043, 37.9249, 37.7598

Deuteranopia

38.4731, 37.7310, 39.9054



Tritanopia

35.5745, 37.9013, 48.6207

Trichromacy



Original Color

33.7566, 37.9981, 39.2734

Protanomaly

35.1810, 37.9272, 38.2673

Deuteranomaly

36.5916, 37.8175, 39.5533

Tritanomaly

34.8719, 37.8924, 45.0112

Monochromacy



Original Color

33.7566, 37.9981, 39.2734

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.7443, 37.3904, 40.0362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7566, 37.9981, 39.2734 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(152, 170, 161)` looks like.

```
.text, #text, p{  
    color:rgb(152, 170, 161)  
}
```

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(152, 170, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 170, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.7566, 37.9981, 39.2734 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(152, 170, 161) }
```


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

```
.border{ border-color:rgb(152, 170, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 170, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 170, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 170, 161);  
box-shadow:4px 4px 4px 4px rgb(152, 170,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7566, 37.9981, 39.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 170, 161) }
```

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

```
.background{ background-color: rgb(152,  
170, 161) }
```

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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