

Converting Colors

XYZ(31.3949, 33.2998, 37.1657)

Have a look what the booklet for
XYZ(31.3949, 33.2998, 37.1657)
contains.

XYZ(31.3654, 33.3549, 37.1328)	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(31.3654, 33.3549,
37.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	999D9E
RGB	153, 157, 158
RGB Percent	60%, 62%, 62%
CMY	0.4000, 0.3843, 0.3804
CMYK	0.03, 0.01, 0.00, 0.38
HSL	192°, 3%, 61%
HSV	192°, 3%, 62%
XYZ	31.3654, 33.3549, 37.1328
YIQ	155.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

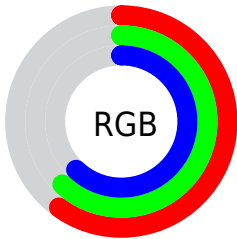
Format	Color
RYB	153, 155, 158
Decimal	10067358
CIELab	64.45, -1.23, -1.03
CIElCh	64, 1.608, 219.832
Yxy	33.3549, 0.3079, 0.3275
Android (android.graphics.Color)	4288257438 (0xFF999D9E)
YUV	155.9180, 1.0264, -2.5591
Hunter-Lab	57.7537, -4.1276, 2.3070

Details

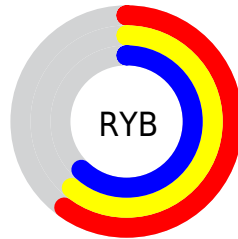
The XYZ color **31.3654, 33.3549, 37.1328** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4060, 32.6798, 34.7900**, and the grayscale version is **31.5606, 33.2042, 36.1594**.

A 20% lighter version of the original color is **61.2859, 65.1565, 72.2971**, and **13.2874, 14.1944, 15.9494** is the 20% darker color. If you saturate the color by 10%, you get **28.0524, 30.8665, 36.8276**, and if you desaturate by 10%, it is **35.0890, 36.0772, 37.4625**.

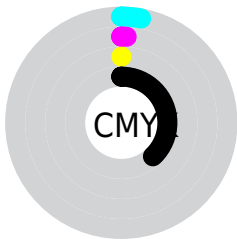
Distribution



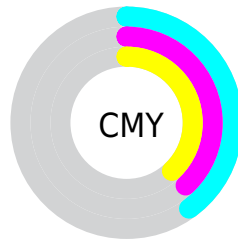
- Red (60%)
- Green (62%)
- Blue (62%)



- Red (60%)
- Yellow (61%)
- Blue (62%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (38%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3654, 33.3549, 37.1328 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 31.3654, 33.3549, 37.1328 by changing the saturation by 10% instead.

■ 31.3654, 33.3549,
37.1328

■ 31.3654, 33.3549,
37.1328

300.0151,
317.2459, 349.0711

■ 21.0304, 22.3985,
25.0137

■ 61.1868, 64.9292,
71.9656

■ 13.2588, 14.1500,
15.8682

■ 81.4040, 86.3159,
95.5164

■ 7.6853, 8.2250,
9.2776

105.6460,
111.9481, 123.7149

■ 3.9443, 4.2393,
4.8234

134.2781,
142.2102, 156.9796

■ 1.6707, 1.8083,
2.0871

167.6657,
177.4867, 195.7290

■ 0.4378, 0.4923,
0.6081

206.1742,

■ 0.0000, 0.0000,

218.1618, 240.3817

0.0000

250.1689,
264.6201, 291.3562

■ 31.3654, 33.3549,
37.1328

■ 31.3654, 33.3549,
37.1328

■ 28.0524, 30.8665,
36.8276

■ 35.0890, 36.0772,
37.4625

■ 25.1316, 28.5997,
36.5440

■ 39.2349, 39.0369,
37.8153

■ 22.5875, 26.5471,
36.2819

■ 43.8181, 42.2428,
38.1925

■ 20.4024, 24.6996,
36.0405

■ 48.8518, 45.7017,
38.5948

■ 18.5570, 23.0470,
35.8188

■ 54.3487, 49.4204,
39.0229

■ 17.0304, 21.5784,
35.6158

■ 60.3211, 53.4054,
39.4773

■ 15.7990, 20.2815,
35.4303

■ 63.5447, 55.9947,
39.8072

■ 14.8362, 19.1424,
35.2612

■ 64.1838, 57.2730,
40.0202

■ 14.1100, 18.1444,
35.1068

■ 64.8376, 58.5805,
40.2382

Harmonies

Analogous

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



31.2703, 33.3549, 36.5339



31.3654, 33.3549, 37.1328



31.5510, 33.3549, 37.5163

Triad

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



31.3654, 33.3549, 37.1328



32.1186, 33.3549, 36.7550



31.6276, 33.3549, 35.0876

Complementary

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



31.3654, 33.3549, 37.1328



31.4060, 32.6798, 34.7900

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.



31.8551, 33.3549, 35.1452



31.3654, 33.3549, 37.1328



32.1393, 33.3549, 36.1026

Square

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



31.3654, 33.3549, 37.1328



31.9861, 33.3549, 37.2963



32.0427, 33.3549, 35.5148



31.4212, 33.3549, 35.3566

Rectangle

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



31.3654, 33.3549, 37.1328



31.7015, 33.3549, 37.5954



32.0427, 33.3549, 35.5148



31.7041, 33.3549, 35.0695

Sweetspot

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



31.3664, 33.3563, 37.1335



58.3469, 61.5981, 67.5578



31.1900, 33.5569, 35.3692



13.1631, 13.8937, 15.2316



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.3664, 33.3563, 37.1335



56.3801, 60.1438, 67.3808



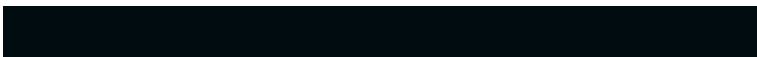
30.9610, 32.5457, 36.9984



7.0654, 7.5511, 8.4918



10.9959, 14.0834, 28.0461



0.2229, 0.3044, 0.5102

Inverse Universe

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



31.5783, 32.4865, 36.5062



56.8742, 58.1237, 65.9170



31.8093, 33.4866, 34.9245



7.1359, 7.2636, 8.2829



14.3484, 7.0439, 16.6178



0.2698, 0.1313, 0.3670

Previews

White Background



This preview shows how the XYZ color 31.3654, 33.3549, 37.1328 looks on a white background.

Color Contrast Check

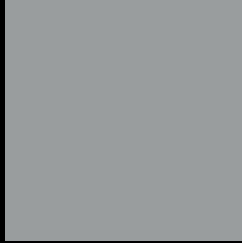
Large Text (above 18pt) WCAG AA × Fail

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 31.3654, 33.3549, 37.1328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

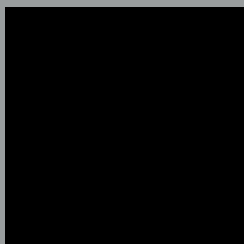
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

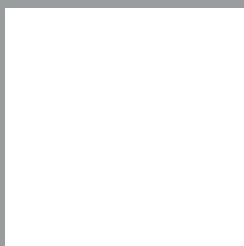
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3654, 33.3549, 37.1328

Background



This preview shows how black text looks on a background with the XYZ color 31.3654, 33.3549, 37.1328.



This preview shows how white text looks on a background with the XYZ color 31.3654, 33.3549,

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

31.3654, 33.3549, 37.1328

Protanopia

32.1052, 33.2479, 36.6237

Deuteranopia

33.9022, 33.1825, 37.4189



Tritanopia

32.3068, 33.2384, 41.7587

Trichromacy



Original Color

31.3654, 33.3549, 37.1328

Protanomaly

31.8789, 33.3794, 36.6609

Deuteranomaly

32.9591, 33.1782, 37.4678

Tritanomaly

31.9157, 33.3273, 39.8726

Monochromacy



Original Color

31.3654, 33.3549, 37.1328

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4918, 33.1798, 36.6428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3654, 33.3549, 37.1328 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, 157, 158) looks like.

```
.text, #text, p{  
    color:rgb(153, 157, 158)  
}
```

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, 157, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 157, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.3654, 33.3549, 37.1328 is called "border". The border property can be set on classes, ids or directly on the HTML element.

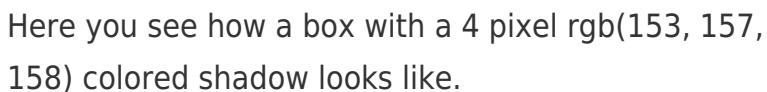
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 157, 158) }
```


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

```
.border{ border-color:rgb(153, 157, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 157, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 157, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 157, 158); box-shadow:4px 4px 4px 4px rgb(153, 157, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3654, 33.3549, 37.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 157, 158) }
```

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

```
.background{ background-color: rgb(153,  
157, 158) }
```

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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