

Converting Colors

XYZ(31.0612, 32.1055, 37.1539)

Have a look what the booklet for
XYZ(31.0612, 32.1055, 37.1539)
contains.

XYZ(31.1668, 32.2542, 37.3839)	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(31.1668, 32.2542,
37.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	9B999F
RGB	155, 153, 159
RGB Percent	61%, 60%, 62%
CMY	0.3922, 0.4000, 0.3765
CMYK	0.03, 0.04, 0.00, 0.38
HSL	260°, 3%, 61%
HSV	260°, 4%, 62%
XYZ	31.1668, 32.2542, 37.3839
YIQ	154.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

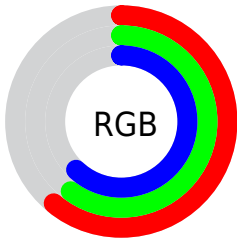
Format	Color
RYB	155, 153, 159
Decimal	10197407
CIELab	63.55, 1.89, -2.89
CIELCh	64, 3.451, 303.234
Yxy	32.2542, 0.3092, 0.3200
Android (android.graphics.Color)	4288387487 (0xFF9B999F)
YUV	154.2820, 2.3260, 0.6297
Hunter-Lab	56.7928, -1.4300, 0.7273

Details

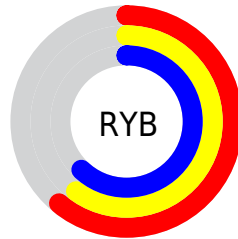
The XYZ color **31.1668, 32.2542, 37.3839** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0537, 34.2651, 35.0630**, and the grayscale version is **30.8301, 32.4357, 35.3224**.

A 20% lighter version of the original color is **60.7449, 63.0360, 72.5839**, and **13.1671, 13.5285, 16.1046** is the 20% darker color. If you saturate the color by 10%, you get **26.7895, 26.3891, 36.4830**, and if you desaturate by 10%, it is **36.0715, 38.9078, 38.4102**.

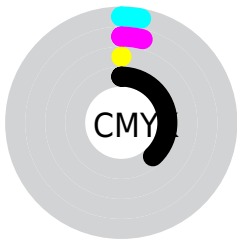
Distribution



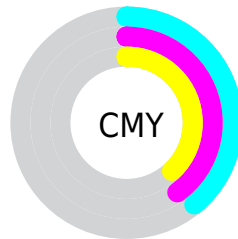
- Red (61%)
- Green (60%)
- Blue (62%)



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



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (38%)



- Cyan (39%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1668, 32.2542, 37.3839 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 31.1668, 32.2542, 37.3839 by changing the saturation by 10% instead.

■ 31.1668, 32.2542,
37.3839

■ 31.1668, 32.2542,
37.3839

299.1192,
312.2756, 350.1882

■ 20.8783, 21.5557,
25.2068

■ 60.8766, 63.2094,
72.3557

■ 13.1471, 13.5308,
16.0107

■ 81.0287, 84.2349,
95.9875

■ 7.6076, 7.7951,
9.3773

105.1994,
109.4715, 124.2746

■ 3.8946, 3.9641,
4.8879

133.7541,
139.3037, 157.6355

■ 1.6427, 1.6535,
2.1241

167.0580,
174.1158, 196.4888

■ 0.4200, 0.3933,
0.6300

205.4766,

■ 0.0000, 0.0000,

214.2922, 241.2530

0.0000

249.3752,
260.2173, 292.3466

■ 31.1668, 32.2542,
37.3839

■ 31.1668, 32.2542,
37.3839

■ 26.7895, 26.3891,
36.4830

■ 36.0715, 38.9078,
38.4102

■ 22.9187, 21.2788,
35.7006

■ 41.5180, 46.3737,
39.5642

■ 19.5360, 16.8931,
35.0324

■ 47.5239, 54.6800,
40.8509

■ 16.6208, 13.1985,
34.4729

■ 54.1047, 63.8520,
42.2744

■ 14.1510, 10.1583,
34.0163

■ 61.2757, 73.9139,
43.8386

■ 12.1027, 7.7327,
33.6561

■ 69.0513, 84.8892,
45.5472

■ 10.4493, 5.8774,
33.3851

■ 74.4051, 90.7193,
46.3904

■ 9.1610, 4.5416,
33.1952

■ 77.8975, 92.5197,
46.5538

■ 8.2027, 3.6653,
33.0765

■ 81.6003, 94.4286,
46.7271

Harmonies

Analogous

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



30.7089, 32.2542, 37.8334



31.1668, 32.2542, 37.3839



31.4906, 32.2542, 36.3269

Triad

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



31.1668, 32.2542, 37.3839



31.0754, 32.2542, 32.8050



29.7417, 32.2542, 35.2691

Complementary

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



31.1668, 32.2542, 37.3839



32.0537, 34.2651, 35.0630

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.



29.8375, 32.2542, 33.9389



31.1668, 32.2542, 37.3839



30.6045, 32.2542, 32.5383

Square

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



31.1668, 32.2542, 37.3839



31.4375, 32.2542, 33.6863



30.1521, 32.2542, 32.9481



29.8888, 32.2542, 36.5925

Rectangle

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



31.1668, 32.2542, 37.3839



31.5851, 32.2542, 35.4326



30.1521, 32.2542, 32.9481



29.7465, 32.2542, 34.8079

Sweetspot

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



31.1677, 32.2556, 37.3846



58.1402, 60.9031, 67.4346



31.4699, 33.4243, 37.5943



13.1191, 13.7461, 15.2055



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.



31.1677, 32.2556, 37.3846



54.7270, 56.2962, 66.7253



31.7311, 32.5460, 37.4110



6.8539, 7.0358, 8.4035



6.1412, 2.5949, 26.0844



0.1522, 0.0682, 0.4684

Inverse Universe

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



31.7762, 32.5891, 36.5154



56.1894, 57.0980, 64.6283



31.4945, 33.9768, 35.0368



7.0542, 7.1456, 8.1160



13.3695, 6.6524, 11.4627



0.2578, 0.1265, 0.3038

Previews

White Background



This preview shows how the XYZ color 31.1668, 32.2542, 37.3839 looks on a white background.

Color Contrast Check

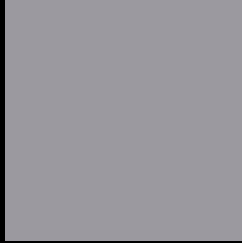
Large Text (above 18pt) WCAG AA × Fail

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 31.1668, 32.2542, 37.3839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

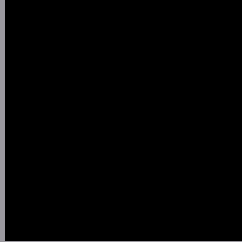
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

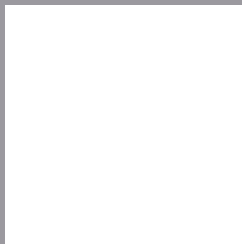
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1668, 32.2542, 37.3839

Background



This preview shows how black text looks on a background with the XYZ color 31.1668, 32.2542, 37.3839.



This preview shows how white text looks on a background with the XYZ color 31.1668, 32.2542,

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

31.1668, 32.2542, 37.3839

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.8185, 32.1399, 37.7316



Tritanopia

31.6394, 32.2047, 39.6705

Trichromacy



Original Color

31.1668, 32.2542, 37.3839

Protanomaly

31.1668, 32.2542, 37.3839

Deuteranomaly

32.1518, 32.0321, 37.7459

Tritanomaly

31.4601, 32.1330, 38.7266

Monochromacy



Original Color

31.1668, 32.2542, 37.3839

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.8828, 32.3815, 36.0751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1668, 32.2542, 37.3839 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(155, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(155, 153, 159)  
}
```

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(155, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 153, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.1668, 32.2542, 37.3839 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(155, 153, 159) }
```


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

```
.border{ border-color:rgb(155, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(155, 153,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1668, 32.2542, 37.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 153, 159) }
```

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

```
.background{ background-color: rgb(155,  
153, 159) }
```

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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