

Converting Colors

XYZ(31.7721, 34.3666, 37.5058)

Have a look what the booklet for
XYZ(31.7721, 34.3666, 37.5058)
contains.

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Color

**XYZ(31.6913, 34.2856,
37.2952)**

Conversions

Conversions Part 1

Format	Color
Hex	98A09E
RGB	152, 160, 158
RGB Percent	60%, 63%, 62%
CMY	0.4039, 0.3725, 0.3804
CMYK	0.05, 0.00, 0.01, 0.37
HSL	165°, 4%, 61%
HSV	165°, 5%, 63%
XYZ	31.6913, 34.2856, 37.2952
YIQ	157.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

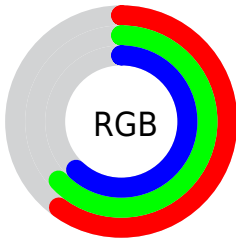
Format	Color
RYB	152, 157, 160
Decimal	10002590
CIELab	65.19, -3.24, 0.04
CIELCh	65, 3.238, 179.204
Yxy	34.2856, 0.3069, 0.3320
Android (android.graphics.Color)	4288192670 (0xFF98A09E)
YUV	157.3800, 0.3057, -4.7183
Hunter-Lab	58.5539, -5.8593, 3.2237

Details

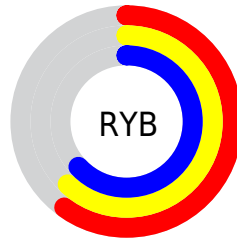
The XYZ color **31.6913, 34.2856, 37.2952** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5595, 32.2642, 35.1379**, and the grayscale version is **32.2198, 33.8977, 36.9146**.

A 20% lighter version of the original color is **61.7643, 66.5268, 72.5364**, and **13.4893, 14.7655, 16.0490** is the 20% darker color. If you saturate the color by 10%, you get **28.5575, 32.7102, 35.3791**, and if you desaturate by 10%, it is **35.2423, 36.0767, 39.2908**.

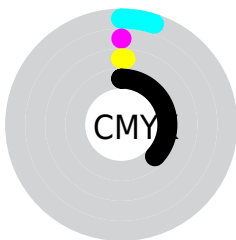
Distribution



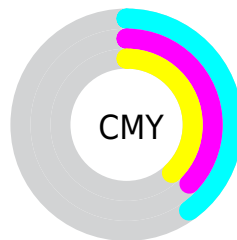
- Red (60%)
- Green (63%)
- Blue (62%)



- Red (60%)
- Yellow (62%)
- Blue (63%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (37%)



- Cyan (40%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6913, 34.2856, 37.2952 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 31.6913, 34.2856, 37.2952 by changing the saturation by 10% instead.

■ 31.6913, 34.2856,
37.2952

■ 31.6913, 34.2856,
37.2952

301.4809,
321.4037, 349.7939

■ 21.2802, 23.1131,
25.1386

■ 61.6953, 66.3776,
72.2180

■ 13.4426, 14.6770,
15.9604

■ 82.0189, 88.0658,
95.8212

■ 7.8131, 8.5930,
9.3421

106.3775,
114.0281, 124.0770

■ 4.0264, 4.4767,
4.8651

135.1362,
144.6487, 157.4039

■ 1.7171, 1.9436,
2.1110

168.6606,
180.3123, 196.2205

■ 0.4669, 0.5744,
0.6223

207.3160,

■ 0.0000, 0.0000,

221.4030, 240.9454

0.0000

251.4676,
268.3053, 291.9970

■ 31.6913, 34.2856,
37.2952

■ 31.6913, 34.2856,
37.2952

■ 28.5575, 32.7102,
35.3791

■ 35.2423, 36.0767,
39.2908

■ 25.8217, 31.3378,
33.5391

■ 39.2229, 38.0870,
41.3650

■ 23.4679, 30.1609,
31.7744

■ 43.6485, 40.3254,
43.5198

■ 21.4773, 29.1701,
30.0837

■ 48.5329, 42.7989,
45.7562

■ 19.8300, 28.3550,
28.4655

■ 53.8892, 45.5144,
48.0755

■ 18.5038, 27.7042,
26.9180

■ 59.7303, 48.4784,
50.4788

■ 17.4739, 27.2049,
25.4397

■ 62.6775, 49.9493,
52.8084

■ 16.7120, 26.8426,
24.0285

■ 63.1093, 50.1220,
55.0825

■ 16.1822, 26.5987,
22.6821

■ 63.5532, 50.2996,
57.4200

Harmonies

Analogous

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



31.8166, 34.2856, 36.0205



31.6913, 34.2856, 37.2952



31.8042, 34.2856, 38.6095

Triad

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



31.6913, 34.2856, 37.2952



33.0308, 34.2856, 39.6385



33.0528, 34.2856, 35.1498

Complementary

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



31.6913, 34.2856, 37.2952



31.5595, 32.2642, 35.1379

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.



33.3834, 34.2856, 36.0814



31.6913, 34.2856, 37.2952



33.3706, 34.2856, 38.6733

Square

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



31.6913, 34.2856, 37.2952



32.5749, 34.2856, 39.9819



33.5003, 34.2856, 37.3672



32.6000, 34.2856, 34.8003

Rectangle

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



31.6913, 34.2856, 37.2952



32.0000, 34.2856, 39.3269



33.5003, 34.2856, 37.3672



33.1820, 34.2856, 35.4041

Sweetspot

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



31.6923, 34.2871, 37.2960



59.3710, 63.1742, 68.7737



31.5913, 34.2932, 34.6607



13.0376, 13.8634, 15.0926



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.



31.6923, 34.2871, 37.2960



56.8701, 61.9145, 67.3206



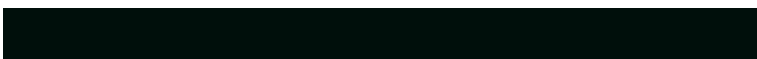
31.5448, 33.7140, 38.1042



6.9497, 7.5812, 8.2420



12.4497, 20.6478, 17.2571



0.2383, 0.3755, 0.3910

Inverse Universe

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



31.5595, 32.2642, 35.1379



56.5775, 57.4560, 62.5642



31.6995, 32.8089, 34.3685



6.9119, 7.0043, 7.6266



11.6075, 5.9476, 2.1841



0.2229, 0.1125, 0.1199

Previews

White Background



This preview shows how the XYZ color 31.6913, 34.2856, 37.2952 looks on a white background.

Color Contrast Check

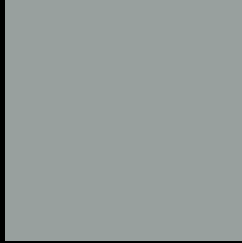
Large Text (above 18pt) WCAG AA × Fail

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 31.6913, 34.2856, 37.2952 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

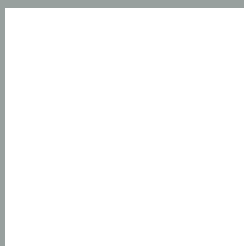
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6913, 34.2856, 37.2952

Background



This preview shows how black text looks on a background with the XYZ color 31.6913, 34.2856, 37.2952.



This preview shows how white text looks on a background with the XYZ color 31.6913, 34.2856,

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

31.6913, 34.2856, 37.2952

Protanopia

32.7557, 34.0913, 36.3064

Deuteranopia

34.8828, 34.1699, 37.5578



Tritanopia

32.9040, 34.2640, 43.4075

Trichromacy



Original Color

31.6913, 34.2856, 37.2952

Protanomaly

32.4132, 34.1571, 36.7829

Deuteranomaly

33.6635, 34.2795, 37.6432

Tritanomaly

32.4179, 34.3218, 40.9925

Monochromacy



Original Color

31.6913, 34.2856, 37.2952

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8302, 33.8566, 36.7556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6913, 34.2856, 37.2952 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, 160, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 160, 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(152, 160, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 160, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.6913, 34.2856, 37.2952 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, 160, 158) }
```


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

```
.border{ border-color:rgb(152, 160, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 160, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 160, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 160, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 160,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6913, 34.2856, 37.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 160, 158) }
```

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

```
.background{ background-color: rgb(152,  
160, 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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