

Converting Colors

XYZ(31.7139, 31.9297, 37.4439)

Have a look what the booklet for
XYZ(31.7139, 31.9297, 37.4439)
contains.

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Color

**XYZ(31.6616, 31.7895,
37.2681)**

Conversions

Conversions Part 1

Format	Color
Hex	A0969F
RGB	160, 150, 159
RGB Percent	63%, 59%, 62%
CMY	0.3725, 0.4117, 0.3765
CMYK	0.00, 0.06, 0.01, 0.37
HSL	306°, 5%, 61%
HSV	306°, 6%, 63%
XYZ	31.6616, 31.7895, 37.2681
YIQ	154.0160, 3.0710, 4.9190

Conversions

Conversions Part 2

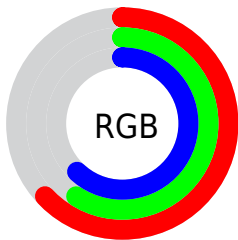
Format	Color
R _Y B	160, 150, 159
Decimal	10524319
CIE Lab	63.17, 5.36, -3.40
CIE LCh	63, 6.351, 327.588
Yxy	31.7895, 0.3144, 0.3156
Android (android.graphics.Color)	4288714399 (0xFFA0969F)
YUV	154.0160, 2.4571, 5.2480
Hunter-Lab	56.3822, 1.5685, 0.2774

Details

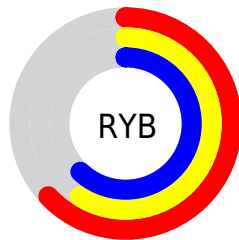
The XYZ color **31.6616, 31.7895, 37.2681** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7357, 33.8610, 34.1958**, and the grayscale version is **30.7116, 32.3110, 35.1867**.

A 20% lighter version of the original color is **61.7548, 62.4878, 72.4249**, and **13.4753, 13.2576, 16.0361** is the 20% darker color. If you saturate the color by 10%, you get **29.1431, 26.9729, 35.7479**, and if you desaturate by 10%, it is **34.5324, 37.3068, 38.9153**.

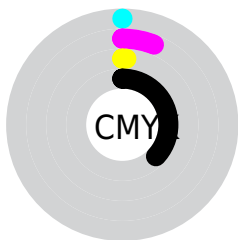
Distribution



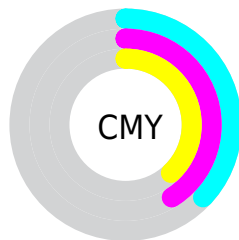
- Red (63%)
- Green (59%)
- Blue (62%)



- Red (63%)
- Yellow (59%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (37%)



- Cyan (37%)
- Magenta (41%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6616, 31.7895, 37.2681 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 31.6616, 31.7895, 37.2681 by changing the saturation by 10% instead.

■ 31.6616, 31.7895,
37.2681

■ 31.6616, 31.7895,
37.2681

301.3476,
310.1592, 349.6734

■ 21.2574, 21.2008,
25.1177

■ 61.6490, 62.4809,
72.1759

■ 13.4259, 13.2708,
15.9450

■ 81.9629, 83.3524,
95.7703

■ 7.8015, 7.6153,
9.3313

106.3109,
108.4203, 124.0166

■ 4.0189, 3.8498,
4.8581

135.0581,
138.0690, 157.3331

■ 1.7128, 1.5899,
2.1070

168.5701,
172.6828, 196.1386

■ 0.4643, 0.3508,
0.6199

207.2121,

■ 0.0000, 0.0000,

212.6462, 240.8514

0.0000

251.3494,
258.3435, 291.8901

■ 31.6616, 31.7895,
37.2681

■ 31.6616, 31.7895,
37.2681

■ 29.1431, 26.9729,
35.7479

■ 34.5324, 37.3068,
38.9153

■ 26.9601, 22.8249,
34.3481

■ 37.7659, 43.5471,
40.6920

■ 25.0984, 19.3168,
33.0642

■ 41.3756, 50.5371,
42.6030

■ 23.5421, 16.4164,
31.8908

■ 45.3736, 58.3004,
44.6524

■ 22.2734, 14.0887,
30.8220

■ 49.7711, 66.8601,
46.8440

■ 21.2732, 12.2949,
29.8515

■ 54.5792, 76.2379,
49.1815

■ 20.5197, 10.9917,
28.9719

■ 57.5328, 81.9039,
50.9099

■ 19.9878, 10.1290,
28.1747

■ 57.6855, 81.9649,
51.7138

■ 19.6421, 9.6358,
27.4483

■ 57.8400, 82.0267,
52.5274

Harmonies

Analogous

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



31.0030, 31.7895, 39.0744



31.6616, 31.7895, 37.2681



31.9320, 31.7895, 34.8171

Triad

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



31.6616, 31.7895, 37.2681



30.2860, 31.7895, 30.0073



28.7443, 31.7895, 36.8993

Complementary

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



31.6616, 31.7895, 37.2681



30.7357, 33.8610, 34.1958

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.



28.5607, 31.7895, 34.4104



31.6616, 31.7895, 37.2681



29.4404, 31.7895, 30.5055

Square

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



31.6616, 31.7895, 37.2681



31.1282, 31.7895, 30.6928



28.8131, 31.7895, 32.0878



29.3197, 31.7895, 38.8543

Rectangle

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



31.6616, 31.7895, 37.2681



31.8518, 31.7895, 33.1739



28.8131, 31.7895, 32.0878



28.6352, 31.7895, 36.0938

Sweetspot

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



31.6625, 31.7909, 37.2688



59.6037, 61.7810, 68.8986



30.0154, 30.9317, 37.6467



13.0856, 13.5757, 15.1183



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.



31.6625, 31.7909, 37.2688



57.0582, 56.8960, 67.4144



31.2374, 31.6208, 35.0301



6.9833, 6.9496, 8.2598



15.2232, 7.3938, 21.2240



0.2796, 0.1352, 0.4187

Inverse Universe

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



31.6625, 31.7909, 37.2688



57.0582, 56.8960, 67.4144



31.1504, 34.0268, 36.3796



6.9833, 6.9496, 8.2598



15.2232, 7.3938, 21.2240



0.2796, 0.1352, 0.4187

Previews

White Background



This preview shows how the XYZ color 31.6616, 31.7895, 37.2681 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 31.6616, 31.7895, 37.2681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

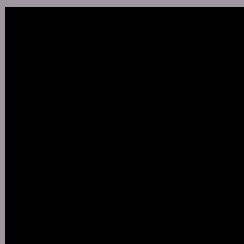
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

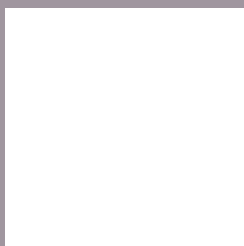
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6616, 31.7895, 37.2681

Background



This preview shows how black text looks on a background with the XYZ color 31.6616, 31.7895, 37.2681.



This preview shows how white text looks on a background with the XYZ color 31.6616, 31.7895,

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

31.6616, 31.7895, 37.2681

Protanopia

30.7103, 31.7668, 37.7707

Deuteranopia

32.3650, 31.6823, 37.2104



Tritanopia

31.8366, 31.8595, 38.1897

Trichromacy



Original Color

31.6616, 31.7895, 37.2681

Protanomaly

31.1221, 31.7392, 37.7437

Deuteranomaly

32.1097, 31.7846, 37.2436

Tritanomaly

31.7487, 31.8243, 37.7271

Monochromacy



Original Color

31.6616, 31.7895, 37.2681

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1023, 32.2507, 36.0382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6616, 31.7895, 37.2681 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(160, 150, 159)` looks like.

```
.text, #text, p{  
    color:rgb(160, 150, 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(160, 150, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 150, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.6616, 31.7895, 37.2681 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(160, 150, 159) }
```


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

```
.border{ border-color:rgb(160, 150, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 150, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 150, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 150, 159);  
box-shadow:4px 4px 4px 4px rgb(160, 150,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6616, 31.7895, 37.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 150, 159) }
```

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

```
.background{ background-color: rgb(160,  
150, 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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