

Converting Colors

XYZ(33.8695, 31.4703, 40.3657)

Have a look what the booklet for
XYZ(33.8695, 31.4703, 40.3657)
contains.

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Color

**XYZ(33.8695, 31.4703,
40.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	AC90A6
RGB	172, 144, 166
RGB Percent	67%, 56%, 65%
CMY	0.3255, 0.4353, 0.3490
CMYK	0.00, 0.16, 0.03, 0.33
HSL	313°, 14%, 62%
HSV	313°, 16%, 67%
XYZ	33.8695, 31.4703, 40.3657
YIQ	154.8800, 9.6260, 12.7780

Conversions

Conversions Part 2

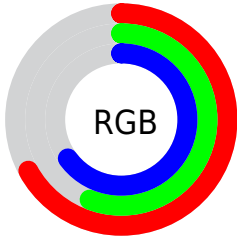
Format	Color
R_{YB}	172, 144, 166
Decimal	11309222
CIE _{Lab}	62.90, 14.38, -7.64
CIE _{LCh}	63, 16.285, 332.038
Yxy	31.4703, 0.3204, 0.2977
Android (android.graphics.Color)	4289499302 (0xFFAC90A6)
YUV	154.8800, 5.4822, 15.0142
Hunter-Lab	56.0984, 9.5975, -3.3933

Details

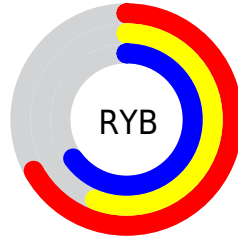
The XYZ color **33.8695, 31.4703, 40.3657** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.7604, 37.6374, 34.4467**, and the grayscale version is **31.0770, 32.6954, 35.6053**.

A 20% lighter version of the original color is **65.2401, 62.1026, 76.9551**, and **14.7857, 13.2134, 17.6907** is the 20% darker color. If you saturate the color by 10%, you get **31.1272, 26.5187, 37.8073**, and if you desaturate by 10%, it is **37.0202, 37.2223, 43.1088**.

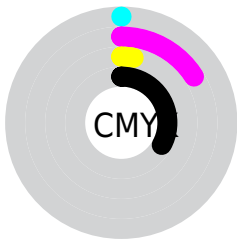
Distribution



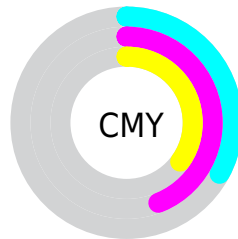
- Red (67%)
- Green (56%)
- Blue (65%)



- Red (67%)
- Yellow (56%)
- Blue (65%)



- Cyan (0%)
- Magenta (16%)
- Yellow (3%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8695, 31.4703, 40.3657 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 33.8695, 31.4703, 40.3657 by changing the saturation by 10% instead.

■ 33.8695, 31.4703,
40.3657

■ 33.8695, 31.4703,
40.3657

311.1459,
308.6992, 363.2604

■ 22.9558, 20.9572,
27.5078

■ 65.0763, 61.9798,
76.9632

■ 14.6814, 13.0927,
17.7192

■ 86.1001, 82.7449,
101.5400

■ 8.6809, 7.4924,
10.5812

111.2247,
107.6963, 130.8601

■ 4.5891, 3.7719,
5.6754

140.8153,
137.2182, 165.3422

■ 2.0405, 1.5468,
2.5831

175.2374,
171.6950, 205.4047

■ 0.6566, 0.3213,
0.8837

214.8563,

■ 0.0000, 0.0000,

211.5112, 251.4662

0.0000

260.0374,
257.0511, 303.9452

■ 33.8695, 31.4703,
40.3657

■ 33.8695, 31.4703,
40.3657

■ 31.1272, 26.5187,
37.8073

■ 37.0202, 37.2223,
43.1088

■ 28.7726, 22.3276,
35.4253

■ 40.5935, 43.8042,
46.0405

■ 26.7873, 18.8598,
33.2134

■ 44.6061, 51.2490,
49.1673

■ 25.1502, 16.0733,
31.1641

■ 49.0731, 59.5867,
52.4946

■ 23.8381, 13.9217,
29.2695

■ 54.0088, 68.8458,
56.0274

■ 22.8248, 12.3531,
27.5202

■ 59.4268, 79.0535,
59.7708

■ 22.0802, 11.3071,
25.9059

■ 62.2664, 84.0879,
62.7048

■ 21.5634, 10.7019,
24.4125

■ 62.6796, 84.2532,
64.8804

■ 21.3965, 10.5240,
23.8765

■ 63.1030, 84.4226,
67.1103

Harmonies

Analogous

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



32.2493, 31.4703, 45.7916



33.8695, 31.4703, 40.3657



34.4144, 31.4703, 33.8301

Triad

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



33.8695, 31.4703, 40.3657



29.7590, 31.4703, 23.3805



26.4151, 31.4703, 41.2170

Complementary

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



33.8695, 31.4703, 40.3657



31.7604, 37.6374, 34.4467

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.



25.8197, 31.4703, 34.7052



33.8695, 31.4703, 40.3657



27.6896, 31.4703, 24.8571

Square

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



33.8695, 31.4703, 40.3657



31.9719, 31.4703, 24.5055



26.2747, 31.4703, 28.8136



27.9418, 31.4703, 46.3246

Rectangle

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



33.8695, 31.4703, 40.3657



34.0738, 31.4703, 29.8528



26.2747, 31.4703, 28.8136



26.1029, 31.4703, 39.0936

Sweetspot

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



33.8704, 31.4717, 40.3664



67.8883, 68.8641, 78.8180



29.9251, 29.3727, 43.1227



14.6628, 14.7990, 17.0526



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.



33.8704, 31.4717, 40.3664



59.3268, 53.2554, 71.2953



32.6880, 30.9987, 34.1396



8.2625, 8.1182, 9.6929



15.9429, 7.8397, 17.8767



0.4616, 0.2253, 0.5928

Inverse Universe

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



33.8704, 31.4717, 40.3664



59.3268, 53.2554, 71.2953



32.9200, 38.1012, 40.5531



8.2625, 8.1182, 9.6929



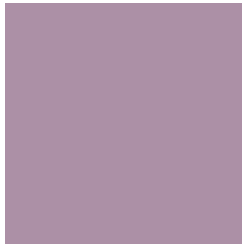
15.9429, 7.8397, 17.8767



0.4616, 0.2253, 0.5928

Previews

White Background



This preview shows how the XYZ color 33.8695, 31.4703, 40.3657 looks on a white background.

Color Contrast Check

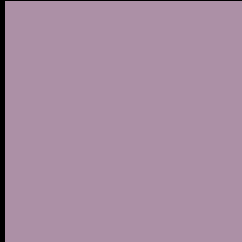
Large Text (above 18pt) WCAG AA × Fail

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 33.8695, 31.4703, 40.3657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

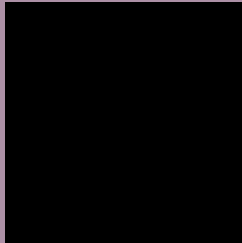
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.8695, 31.4703, 40.3657

Background



This preview shows how black text looks on a background with the XYZ color 33.8695, 31.4703, 40.3657.



This preview shows how white text looks on a background with the XYZ color 33.8695, 31.4703,

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

33.8695, 31.4703, 40.3657

Protanopia

30.9950, 31.5575, 42.9857

Deuteranopia

32.0794, 31.4735, 39.9815



Tritanopia

33.1593, 31.6500, 36.2597

Trichromacy



Original Color

33.8695, 31.4703, 40.3657

Protanomaly

31.8519, 31.3135, 41.9014

Deuteranomaly

32.7423, 31.5834, 39.9678

Tritanomaly

33.2651, 31.4468, 37.5743

Monochromacy



Original Color

33.8695, 31.4703, 40.3657

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

32.0226, 32.2135, 37.3309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8695, 31.4703, 40.3657 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(172, 144, 166)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 166)  
}
```

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(172, 144, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.8695, 31.4703, 40.3657 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(172, 144, 166) }
```


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

```
.border{ border-color:rgb(172, 144, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 166);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8695, 31.4703, 40.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 166) }
```

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

```
.background{ background-color: rgb(172,  
144, 166) }
```

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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