

Converting Colors

XYZ(32.0411, 31.0822, 38.9618)

Have a look what the booklet for
XYZ(32.0411, 31.0822, 38.9618)
contains.

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Color

**XYZ(31.9940, 30.9886,
38.9455)**

Conversions

Conversions Part 1

Format	Color
Hex	A392A3
RGB	163, 146, 163
RGB Percent	64%, 57%, 64%
CMY	0.3608, 0.4274, 0.3608
CMYK	0.00, 0.10, 0.00, 0.36
HSL	300°, 8%, 61%
HSV	300°, 10%, 64%
XYZ	31.9940, 30.9886, 38.9455
YIQ	153.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

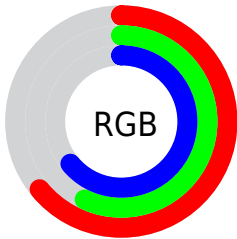
Format	Color
R_{YB}	163, 146, 163
Decimal	10719907
CIE Lab	62.50, 9.46, -6.63
CIE LCh	62, 11.551, 324.983
Yxy	30.9886, 0.3139, 0.3040
Android (android.graphics.Color)	4288909987 (0xFFA392A3)
YUV	153.0210, 4.9196, 8.7516
Hunter-Lab	55.6674, 5.1722, -2.5127

Details

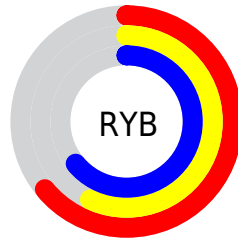
The XYZ color **31.9940, 30.9886, 38.9455** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1407, 34.3816, 32.2434**, and the grayscale version is **30.2660, 31.8422, 34.6761**.

A 20% lighter version of the original color is **62.2226, 61.2759, 74.8776**, and **13.5170, 12.7116, 16.7801** is the 20% darker color. If you saturate the color by 10%, you get **29.6587, 26.3175, 38.1674**, and if you desaturate by 10%, it is **34.6894, 36.3789, 39.8444**.

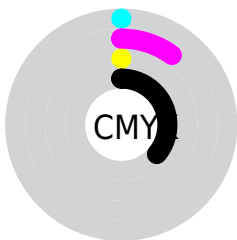
Distribution



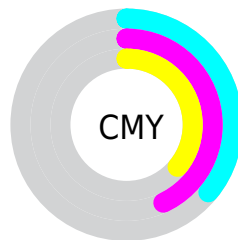
- Red (64%)
- Green (57%)
- Blue (64%)



- Red (64%)
- Yellow (57%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (43%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9940, 30.9886, 38.9455 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 31.9940, 30.9886, 38.9455 by changing the saturation by 10% instead.

■ 31.9940, 30.9886,
38.9455

■ 31.9940, 30.9886,
38.9455

302.8377,
306.4858, 357.0778

■ 21.5124, 20.5902,
26.4098

■ 62.1669, 61.2221,
74.7745

■ 13.6137, 12.8248,
16.9020

■ 82.5890, 81.8260,
98.9049

■ 7.9324, 7.3080,
10.0034

107.0553,
106.6005, 127.7372

■ 4.1031, 3.6554,
5.2956

135.9312,
135.9300, 161.6901

■ 1.7607, 1.4828,
2.3600

169.5821,
170.1989, 201.1821

■ 0.4938, 0.2765,
0.7645

208.3732,

■ 0.0000, 0.0000,

209.7915, 246.6317

0.0000

252.6699,
255.0924, 298.4574

■ 31.9940, 30.9886,
38.9455

■ 31.9940, 30.9886,
38.9455

■ 29.6587, 26.3175,
38.1674

■ 34.6894, 36.3789,
39.8444

■ 27.6657, 22.3315,
37.5030

■ 37.7563, 42.5127,
40.8668

■ 25.9997, 18.9995,
36.9476

■ 41.2091, 49.4183,
42.0177

■ 24.6432, 16.2867,
36.4954

■ 45.0605, 57.1211,
43.3016

■ 23.5773, 14.1548,
36.1400

■ 49.3227, 65.6455,
44.7224

■ 22.7807, 12.5616,
35.8744

■ 54.0074, 75.0148,
46.2840

■ 22.2293, 11.4588,
35.6905

■ 57.4755, 81.9511,
47.4401

■ 21.8948, 10.7899,
35.5790

■ 57.4756, 81.9511,
47.4402

■ 21.7153, 10.4310,
35.5191

■ 57.4756, 81.9511,
47.4403

Harmonies

Analogous

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



30.7463, 30.9886, 42.1938



31.9940, 30.9886, 38.9455



32.5621, 30.9886, 34.5025

Triad

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



31.9940, 30.9886, 38.9455



29.7183, 30.9886, 25.8461



26.8031, 30.9886, 37.5232

Complementary

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



31.9940, 30.9886, 38.9455



30.1407, 34.3816, 32.2434

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.



26.5497, 30.9886, 32.9914



31.9940, 30.9886, 38.9455



28.1980, 30.9886, 26.5005

Square

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



31.9940, 30.9886, 38.9455



31.2189, 30.9886, 27.1489



27.0516, 30.9886, 29.0227



27.7564, 30.9886, 41.3229

Rectangle

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



31.9940, 30.9886, 38.9455



32.4649, 30.9886, 31.5567



27.0516, 30.9886, 29.0227



26.6347, 30.9886, 36.0245

Sweetspot

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



31.9949, 30.9899, 38.9462



60.7934, 62.4875, 70.9132



28.7451, 29.3146, 38.7941



13.5665, 13.8596, 15.8976



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.9949, 30.9899, 38.9462



56.0588, 53.0182, 69.3349



31.2586, 30.6954, 35.0690



7.3644, 7.2022, 8.9051



16.8766, 8.1067, 27.6045



0.3546, 0.1703, 0.5800

Inverse Universe

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



31.9949, 30.9899, 38.9462



56.0588, 53.0182, 69.3349



30.8268, 34.6560, 35.8562



7.3644, 7.2022, 8.9051



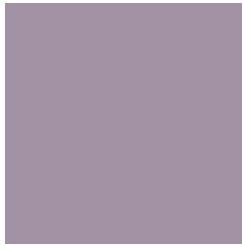
16.8766, 8.1067, 27.6045



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 31.9940, 30.9886, 38.9455 looks on a white background.

Color Contrast Check

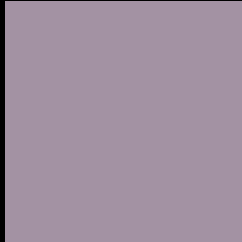
Large Text (above 18pt) WCAG AA × Fail

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 31.9940, 30.9886, 38.9455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

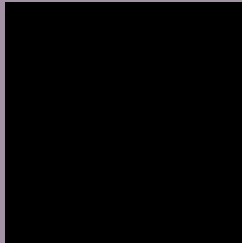
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9940, 30.9886, 38.9455

Background



This preview shows how black text looks on a background with the XYZ color 31.9940, 30.9886, 38.9455.



This preview shows how white text looks on a background with the XYZ color 31.9940, 30.9886,

38.9455.

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

31.9940, 30.9886, 38.9455

Protanopia

30.3670, 31.0499, 40.4691

Deuteranopia

31.7425, 31.0888, 38.9781



Tritanopia

31.5056, 31.0174, 36.6742

Trichromacy



Original Color

31.9940, 30.9886, 38.9455

Protanomaly

31.0565, 31.1801, 39.9788

Deuteranomaly

31.9449, 31.1932, 38.9875

Tritanomaly

31.6792, 31.0869, 37.5884

Monochromacy



Original Color

31.9940, 30.9886, 38.9455

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.8968, 31.4151, 36.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9940, 30.9886, 38.9455 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(163, 146, 163)` looks like.

```
.text, #text, p{  
    color:rgb(163, 146, 163)  
}
```

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(163, 146, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 146, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.9940, 30.9886, 38.9455 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(163, 146, 163) }
```


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

```
.border{ border-color:rgb(163, 146, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 146, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 146, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 146, 163);  
box-shadow:4px 4px 4px 4px rgb(163, 146,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9940, 30.9886, 38.9455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 146, 163) }
```

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

```
.background{ background-color: rgb(163,  
146, 163) }
```

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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