

Converting Colors

XYZ(31.8982, 31.8501, 40.0658)

Have a look what the booklet for
XYZ(31.8982, 31.8501, 40.0658)
contains.

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Color

**XYZ(31.9960, 31.9002,
40.0683)**

Conversions

Conversions Part 1

Format	Color
Hex	9F96A5
RGB	159, 150, 165
RGB Percent	62%, 59%, 65%
CMY	0.3765, 0.4118, 0.3529
CMYK	0.04, 0.09, 0.00, 0.35
HSL	276°, 8%, 62%
HSV	276°, 9%, 65%
XYZ	31.9960, 31.9002, 40.0683
YIQ	154.4010, 0.5490, 6.5730

Conversions

Conversions Part 2

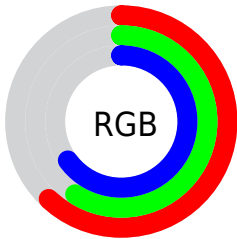
Format	Color
R_{YB}	159, 150, 165
Decimal	10458789
CIE Lab	63.26, 6.18, -6.67
CIE LCh	63, 9.091, 312.844
Yxy	31.9002, 0.3078, 0.3068
Android (android.graphics.Color)	4288648869 (0xFF9F96A5)
YUV	154.4010, 5.2253, 4.0333
Hunter-Lab	56.4803, 2.2796, -2.5254

Details

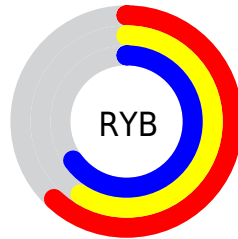
The XYZ color **31.9960, 31.9002, 40.0683** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.6715, 36.1810, 34.1173**, and the grayscale version is **30.8697, 32.4773, 35.3678**.

A 20% lighter version of the original color is **62.2427, 62.6492, 76.5221**, and **13.6268, 13.3041, 17.4725** is the 20% darker color. If you saturate the color by 10%, you get **28.2724, 26.3441, 39.1926**, and if you desaturate by 10%, it is **36.1622, 38.2366, 41.0723**.

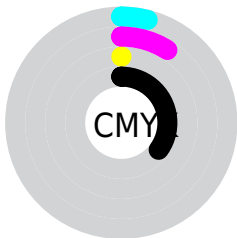
Distribution



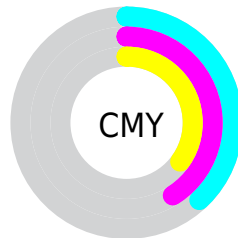
- Red (62%)
- Green (59%)
- Blue (65%)



- Red (62%)
- Yellow (59%)
- Blue (65%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)



- Cyan (38%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9960, 31.9002, 40.0683 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 31.9960, 31.9002, 40.0683 by changing the saturation by 10% instead.

■ 31.9960, 31.9002,
40.0683

■ 31.9960, 31.9002,
40.0683

302.8466,
310.6644, 361.9720

■ 21.5140, 21.2853,
27.2776

■ 62.1701, 62.6546,
76.5057

■ 13.6148, 13.3327,
17.5475

■ 82.5928, 83.5629,
100.9896

■ 7.9332, 7.6580,
10.4596

107.0598,
108.6711, 130.2082

■ 4.1037, 3.8769,
5.5951

135.9365,
138.3635, 164.5801

■ 1.7609, 1.6050,
2.5357

169.5881,
173.0247, 204.5239

■ 0.4940, 0.3609,
0.8590

208.3802,

■ 0.0000, 0.0000,

213.0390, 250.4582

0.0000

252.6779,
258.7907, 302.8013

■ 31.9960, 31.9002,
40.0683

■ 31.9960, 31.9002,
40.0683

■ 28.2724, 26.3441,
39.1926

■ 36.1622, 38.2366,
41.0723

■ 24.9720, 21.5327,
38.4379

■ 40.7836, 45.3788,
42.2072

■ 22.0781, 17.4341,
37.7993

■ 45.8761, 53.3560,
43.4786

■ 19.5720, 14.0118,
37.2708

■ 51.4536, 62.1949,
44.8907

■ 17.4329, 11.2266,
36.8459

■ 57.5296, 71.9210,
46.4478

■ 15.6382, 9.0348,
36.5175

■ 64.1169, 82.5586,
48.1539

■ 14.1623, 7.3870,
36.2772

■ 67.7850, 87.2449,
48.8651

■ 12.9754, 6.2257,
36.1156

■ 69.6469, 88.2048,
48.9522

■ 12.0190, 5.4357,
36.0135

■ 71.5866, 89.2047,
49.0430

Harmonies

Analogous

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



30.8614, 31.9002, 41.9401



31.9960, 31.9002, 40.0683



32.6922, 31.9002, 36.8190

Triad

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



31.9960, 31.9002, 40.0683



31.0398, 31.9002, 28.5226



28.0211, 31.9002, 36.2977

Complementary

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



31.9960, 31.9002, 40.0683



32.6715, 36.1810, 34.1173

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.



28.0658, 31.9002, 32.7290



31.9960, 31.9002, 40.0683



29.7853, 31.9002, 28.4044

Square

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



31.9960, 31.9002, 40.0683



32.1297, 31.9002, 30.2303



28.7039, 31.9002, 29.8953



28.5799, 31.9002, 39.6639

Rectangle

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



31.9960, 31.9002, 40.0683



32.8024, 31.9002, 34.3911



28.7039, 31.9002, 29.8953



27.9665, 31.9002, 35.0789

Sweetspot

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



31.9969, 31.9016, 40.0690



61.7086, 63.8089, 72.8163



31.3008, 33.0628, 40.3298



13.3623, 13.7543, 15.8881



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.



31.9969, 31.9016, 40.0690



55.8298, 54.9163, 71.4097



33.1026, 32.4846, 39.5298



7.0888, 7.0602, 8.8922



9.0876, 4.0913, 27.2405



0.2422, 0.1124, 0.5748

Inverse Universe

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



32.4252, 32.2137, 35.9626



56.7747, 55.6033, 62.4226



31.6402, 35.6376, 34.5973



7.1857, 7.1307, 7.9642



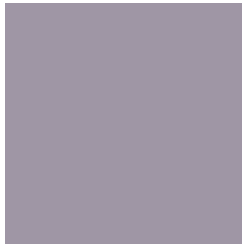
12.5062, 6.3585, 4.5904



0.2858, 0.1428, 0.2175

Previews

White Background



This preview shows how the XYZ color 31.9960, 31.9002, 40.0683 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 31.9960, 31.9002, 40.0683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

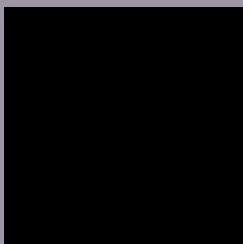
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

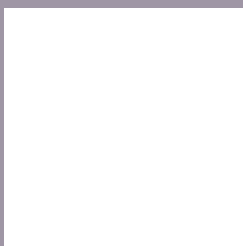
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9960, 31.9002, 40.0683

Background



This preview shows how black text looks on a background with the XYZ color 31.9960, 31.9002, 40.0683.



This preview shows how white text looks on a background with the XYZ color 31.9960, 31.9002,

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

31.9960, 31.9002, 40.0683

Protanopia

31.0601, 31.8850, 40.5938

Deuteranopia

32.4393, 31.8929, 40.0435



Tritanopia

31.7260, 31.7923, 38.6468

Trichromacy



Original Color

31.9960, 31.9002, 40.0683

Protanomaly

31.4671, 31.8550, 40.5665

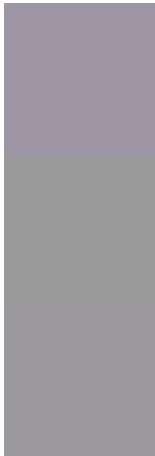
Deuteranomaly

32.2369, 31.7886, 40.0340

Tritanomaly

31.8153, 31.8280, 39.1169

Monochromacy



Original Color

31.9960, 31.9002, 40.0683

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2731, 32.3190, 36.9377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9960, 31.9002, 40.0683 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(159, 150, 165)` looks like.

```
.text, #text, p{  
    color:rgb(159, 150, 165)  
}
```

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(159, 150, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 150, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.9960, 31.9002, 40.0683 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(159, 150, 165) }
```


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

```
.border{ border-color:rgb(159, 150, 165) }
```

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

Here you see how a box with a 4 pixel rgb(159, 150, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 150, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 150, 165);  
box-shadow:4px 4px 4px 4px rgb(159, 150,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9960, 31.9002, 40.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 150, 165) }
```

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

```
.background{ background-color: rgb(159,  
150, 165) }
```

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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