

Converting Colors

XYZ(31.4324, 31.7105, 40.2899)

Have a look what the booklet for
XYZ(31.4324, 31.7105, 40.2899)
contains.

XYZ(31.4082, 31.5972, 40.0408)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4082, 31.5972,
40.0408)**

Conversions

Conversions Part 1

Format	Color
Hex	9C96A5
RGB	156, 150, 165
RGB Percent	61%, 59%, 65%
CMY	0.3882, 0.4118, 0.3529
CMYK	0.05, 0.09, 0.00, 0.35
HSL	264°, 8%, 62%
HSV	264°, 9%, 65%
XYZ	31.4082, 31.5972, 40.0408
YIQ	153.5040, -1.2390, 5.9370

Conversions

Conversions Part 2

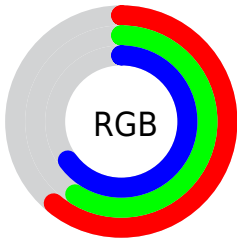
Format	Color
R_{YB}	156, 150, 165
Decimal	10262181
CIE Lab	63.01, 5.12, -7.07
CIE LCh	63, 8.729, 305.944
Yxy	31.5972, 0.3048, 0.3066
Android (android.graphics.Color)	4288452261 (0xFF9C96A5)
YUV	153.5040, 5.6675, 2.1890
Hunter-Lab	56.2114, 1.3672, -2.8858

Details

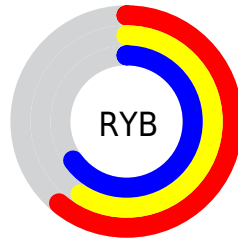
The XYZ color **31.4082, 31.5972, 40.0408** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2593, 36.4840, 34.1448**, and the grayscale version is **30.4752, 32.0623, 34.9158**.

A 20% lighter version of the original color is **61.0895, 62.0547, 76.4681**, and **13.2682, 13.1192, 17.4557** is the 20% darker color. If you saturate the color by 10%, you get **27.1201, 25.7501, 39.1387**, and if you desaturate by 10%, it is **36.2251, 38.2690, 41.0752**.

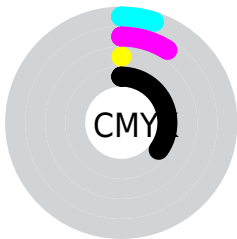
Distribution



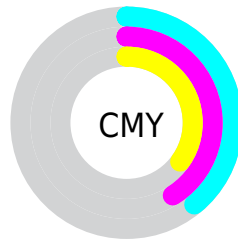
- Red (61%)
- Green (59%)
- Blue (65%)



- Red (61%)
- Yellow (59%)
- Blue (65%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (35%)



- Cyan (39%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4082, 31.5972, 40.0408 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 31.4082, 31.5972, 40.0408 by changing the saturation by 10% instead.

■ 31.4082, 31.5972,
40.0408

■ 31.4082, 31.5972,
40.0408

300.2079,
309.2803, 361.8527

■ 21.0632, 21.0540,
27.2563

■ 61.2537, 62.1791,
76.4634

■ 13.2830, 13.1635,
17.5317

■ 81.4848, 82.9866,
100.9386

■ 7.7020, 7.5412,
10.4483

105.7422,
107.9843, 130.1478

■ 3.9551, 3.8028,
5.5877

134.3909,
137.5567, 164.5096

■ 1.6767, 1.5639,
2.5314

167.7966,
172.0881, 204.4424

■ 0.4416, 0.3331,
0.8567

206.3243,

■ 0.0000, 0.0000,

211.9629, 250.3648

0.0000

250.3397,
257.5655, 302.6954

■ 31.4082, 31.5972,
40.0408

■ 31.4082, 31.5972,
40.0408

■ 27.1201, 25.7501,
39.1387

■ 36.2251, 38.2690,
41.0752

■ 23.3390, 20.6909,
38.3615

■ 41.5861, 45.7924,
42.2448

■ 20.0454, 16.3861,
37.7041

■ 47.5093, 54.1980,
43.5550

■ 17.2175, 12.7980,
37.1606

■ 54.0112, 63.5135,
45.0104

■ 14.8317, 9.8856,
36.7242

■ 61.1074, 73.7655,
46.6153

■ 12.8622, 7.6037,
36.3876

■ 68.8131, 84.9796,
48.3737

■ 11.2800, 5.9012,
36.1423

■ 73.6997, 90.2941,
49.1419

■ 10.0518, 4.7185,
35.9788

■ 76.8824, 91.9348,
49.2909

■ 9.1152, 3.9387,
35.8776

■ 80.2471, 93.6694,
49.4483

Harmonies

Analogous

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



30.2720, 31.5972, 41.4101



31.4082, 31.5972, 40.0408



32.1906, 31.5972, 37.1709

Triad

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



31.4082, 31.5972, 40.0408



30.9834, 31.5972, 28.7113



27.7934, 31.5972, 35.0934

Complementary

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



31.4082, 31.5972, 40.0408



33.2593, 36.4840, 34.1448

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.



27.9725, 31.5972, 31.7779



31.4082, 31.5972, 40.0408



29.7937, 31.5972, 28.2363

Square

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



31.4082, 31.5972, 40.0408



31.9408, 31.5972, 30.6661



28.6970, 31.5972, 29.3227



28.2012, 31.5972, 38.4339

Rectangle

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



31.4082, 31.5972, 40.0408



32.3951, 31.5972, 34.8739



28.6970, 31.5972, 29.3227



27.7871, 31.5972, 33.9383

Sweetspot

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



31.4091, 31.5985, 40.0415



61.3404, 63.6191, 72.7991



31.8115, 34.0841, 40.5000



13.2616, 13.7024, 15.8834



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.



31.4091, 31.5985, 40.0415



54.5509, 54.2569, 71.3498



32.8543, 32.3436, 40.1091



6.9561, 6.9917, 8.8860



6.8904, 2.9586, 27.1377



0.1973, 0.0892, 0.5727

Inverse Universe

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



32.6825, 32.3166, 37.3175



57.3344, 55.8272, 65.3703



31.8634, 35.7644, 34.0795



7.2438, 7.1540, 8.2702



13.4681, 6.7433, 9.6558



0.3054, 0.1507, 0.3209

Previews

White Background



This preview shows how the XYZ color 31.4082, 31.5972, 40.0408 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 31.4082, 31.5972, 40.0408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

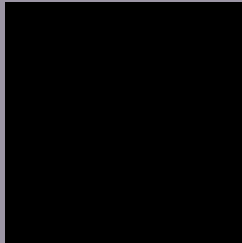
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4082, 31.5972, 40.0408

Background



This preview shows how black text looks on a background with the XYZ color 31.4082, 31.5972, 40.0408.



This preview shows how white text looks on a background with the XYZ color 31.4082, 31.5972,

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

31.4082, 31.5972, 40.0408

Protanopia

30.7120, 31.4657, 40.5312

Deuteranopia

32.0794, 31.4735, 39.9815



Tritanopia

31.1382, 31.4892, 38.6193

Trichromacy



Original Color

31.4082, 31.5972, 40.0408

Protanomaly

31.0864, 31.6587, 40.5487

Deuteranomaly

31.8371, 31.5824, 40.0153

Tritanomaly

31.2275, 31.5250, 39.0894

Monochromacy



Original Color

31.4082, 31.5972, 40.0408

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0804, 32.2197, 36.9287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4082, 31.5972, 40.0408 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(156, 150, 165)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 150, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 150, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.4082, 31.5972, 40.0408 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(156, 150, 165) }
```


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

```
.border{ border-color:rgb(156, 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(156, 150, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 150, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 150, 165);  
box-shadow:4px 4px 4px 4px rgb(156, 150,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4082, 31.5972, 40.0408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 150, 165) }
```

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

```
.background{ background-color: rgb(156,  
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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