

Converting Colors

XYZ(31.7810, 33.8258, 40.9847)

Have a look what the booklet for
XYZ(31.7810, 33.8258, 40.9847)
contains.

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Color

**XYZ(31.6875, 33.6909,
40.9093)**

Conversions

Conversions Part 1

Format	Color
Hex	969EA6
RGB	150, 158, 166
RGB Percent	59%, 62%, 65%
CMY	0.4118, 0.3804, 0.3490
CMYK	0.10, 0.05, 0.00, 0.35
HSL	210°, 8%, 62%
HSV	210°, 10%, 65%
XYZ	31.6875, 33.6909, 40.9093
YIQ	156.5200, -7.3360, 0.7920

Conversions

Conversions Part 2

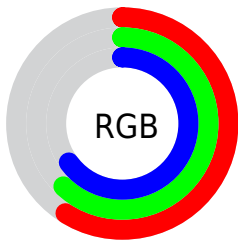
Format	Color
RYB	150, 155, 166
Decimal	9871014
CIELab	64.72, -1.22, -5.15
CIElCh	65, 5.292, 256.713
Yxy	33.6909, 0.2981, 0.3170
Android (android.graphics.Color)	4288061094 (0xFF969EA6)
YUV	156.5200, 4.6736, -5.7180
Hunter-Lab	58.0439, -4.1294, -1.1569

Details

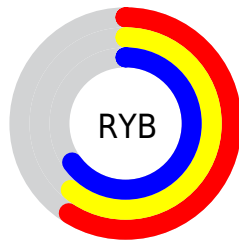
The XYZ color **31.6875, 33.6909, 40.9093** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4580, 34.7627, 33.8013**, and the grayscale version is **31.8152, 33.4721, 36.4511**.

A 20% lighter version of the original color is **61.7472, 65.6463, 77.8232**, and **13.4405, 14.3829, 17.9874** is the 20% darker color. If you saturate the color by 10%, you get **27.4789, 29.4914, 40.3211**, and if you desaturate by 10%, it is **36.4265, 38.3075, 41.5512**.

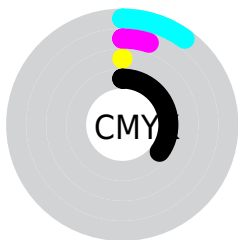
Distribution



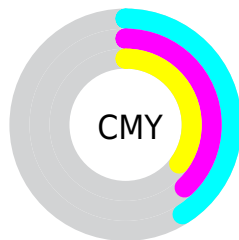
- Red (59%)
- Green (62%)
- Blue (65%)



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



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6875, 33.6909, 40.9093 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 31.6875, 33.6909, 40.9093 by changing the saturation by 10% instead.

■ 31.6875, 33.6909,
40.9093

■ 31.6875, 33.6909,
40.9093

301.4639,
318.7516, 365.6068

■ 21.2773, 22.6562,
27.9291

■ 61.6894, 65.4527,
77.7984

■ 13.4405, 14.3399,
18.0336

■ 82.0118, 86.9486,
102.5443

■ 7.8116, 8.3574,
10.8044

106.3689,
112.7005, 132.0491

■ 4.0254, 4.3245,
5.8230

135.1262,
143.0926, 166.7315

■ 1.7165, 1.8567,
2.6707

168.6490,
178.5093, 207.0099

■ 0.4666, 0.5221,
0.9286

207.3027,

■ 0.0000, 0.0000,

219.3351, 253.3029

0.0000

251.4525,
265.9544, 306.0290

■ 31.6875, 33.6909,
40.9093

■ 31.6875, 33.6909,
40.9093

■ 27.4789, 29.4914,
40.3211

■ 36.4265, 38.3075,
41.5512

■ 23.7776, 25.6916,
39.7827

■ 41.7116, 43.3495,
42.2458

■ 20.5634, 22.2792,
39.2934

■ 47.5619, 48.8299,
42.9953

■ 17.8134, 19.2393,
38.8516

■ 53.9943, 54.7602,
43.8009

■ 15.5027, 16.5562,
38.4555

■ 61.0251, 61.1513,
44.6640

■ 13.6037, 14.2123,
38.1032

■ 68.6700, 68.0137,
45.5856

■ 12.0855, 12.1886,
37.7926

■ 72.7017, 73.1705,
46.3685

■ 10.9121, 10.4629,
37.5214

■ 74.8827, 77.5326,
47.0955

■ 10.0085, 8.9931,
37.2853

■ 77.1727, 82.1126,
47.8588

Harmonies

Analogous

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



31.0306, 33.6909, 39.8152



31.6875, 33.6909, 40.9093



32.4443, 33.6909, 40.8397

Triad

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



31.6875, 33.6909, 40.9093



33.4423, 33.6909, 35.4933



30.9702, 33.6909, 33.8883

Complementary

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



31.6875, 33.6909, 40.9093



33.4580, 34.7627, 33.8013

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.



31.6038, 33.6909, 32.8196



31.6875, 33.6909, 40.9093



33.0346, 33.6909, 33.7208

Square

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



31.6875, 33.6909, 40.9093



33.4655, 33.6909, 37.6540



32.3592, 33.6909, 32.7595



30.6210, 33.6909, 35.7302

Rectangle

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



31.6875, 33.6909, 40.9093



32.9037, 33.6909, 40.1419



32.3592, 33.6909, 32.7595



31.1565, 33.6909, 33.4300

Sweetspot

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



31.6885, 33.6923, 40.9100



63.0609, 66.5750, 75.0019



32.3632, 36.2165, 37.5129



13.9577, 14.7485, 16.7632



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6885, 33.6923, 40.9100



55.4455, 59.1056, 73.9615



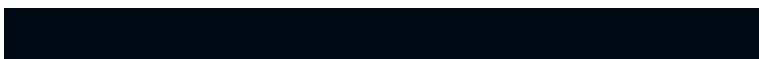
30.4102, 31.1358, 40.4840



7.4301, 7.8972, 9.5510



7.7841, 7.0284, 28.9218



0.2406, 0.2734, 0.7207

Inverse Universe

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



32.8046, 32.3891, 36.8721



57.9841, 56.2093, 64.7620



34.8193, 37.4852, 34.2551



7.6817, 7.6025, 8.6411



13.4297, 6.7806, 7.0741



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 31.6875, 33.6909, 40.9093 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 31.6875, 33.6909, 40.9093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

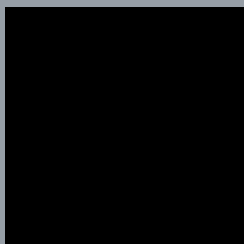
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

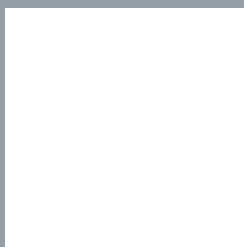
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6875, 33.6909, 40.9093

Background



This preview shows how black text looks on a background with the XYZ color 31.6875, 33.6909, 40.9093.



This preview shows how white text looks on a background with the XYZ color 31.6875, 33.6909,

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

31.6875, 33.6909, 40.9093

Protanopia

32.5846, 33.6616, 40.3773

Deuteranopia

34.1396, 33.4620, 41.2187



Tritanopia

32.0752, 33.5955, 42.8243

Trichromacy



Original Color

31.6875, 33.6909, 40.9093

Protanomaly

32.1749, 33.7006, 40.4064

Deuteranomaly

33.2286, 33.4783, 41.2698

Tritanomaly

31.9809, 33.5578, 42.3278

Monochromacy



Original Color

31.6875, 33.6909, 40.9093

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7286, 33.5220, 38.0558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6875, 33.6909, 40.9093 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(150, 158, 166)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 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(150, 158, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.6875, 33.6909, 40.9093 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(150, 158, 166) }
```


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

```
.border{ border-color:rgb(150, 158, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 158, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 166);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6875, 33.6909, 40.9093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 158, 166) }
```

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

```
.background{ background-color: rgb(150,  
158, 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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