

Converting Colors

XYZ(31.4318, 33.7209, 39.8602)

Have a look what the booklet for
XYZ(31.4318, 33.7209, 39.8602)
contains.

XYZ(31.4934, 33.8662, 39.9989)	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(31.4934, 33.8662,
39.9989)**

Conversions

Conversions Part 1

Format	Color
Hex	959FA4
RGB	149, 159, 164
RGB Percent	58%, 62%, 64%
CMY	0.4157, 0.3765, 0.3569
CMYK	0.09, 0.03, 0.00, 0.36
HSL	200°, 8%, 61%
HSV	200°, 9%, 64%
XYZ	31.4934, 33.8662, 39.9989
YIQ	156.5800, -7.5650, -0.5650

Conversions

Conversions Part 2

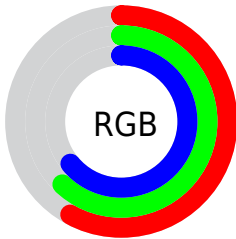
Format	Color
RYB	149, 155, 164
Decimal	9805732
CIELab	64.86, -2.53, -3.83
CIELCh	65, 4.590, 236.579
Yxy	33.8662, 0.2989, 0.3214
Android (android.graphics.Color)	4287995812 (0xFF959FA4)
YUV	156.5800, 3.6581, -6.6477
Hunter-Lab	58.1947, -5.2413, -0.0155

Details

The XYZ color **31.4934, 33.8662, 39.9989** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.2904, 33.1733, 33.1355**, and the grayscale version is **31.8466, 33.5051, 36.4871**.

A 20% lighter version of the original color is **61.4614, 65.9041, 76.4992**, and **13.3242, 14.4916, 17.4241** is the 20% darker color. If you saturate the color by 10%, you get **27.7908, 30.5941, 39.5630**, and if you desaturate by 10%, it is **35.6609, 37.4414, 40.4699**.

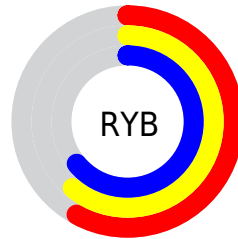
Distribution



Red (58%)

Green (62%)

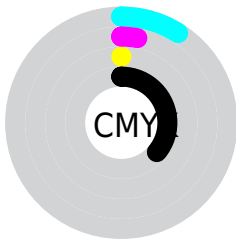
Blue (64%)



Red (58%)

Yellow (61%)

Blue (64%)

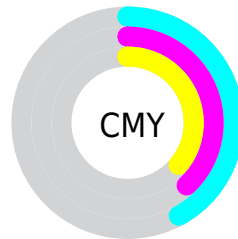


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (36%)



Cyan (42%)

Magenta (38%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4934, 33.8662, 39.9989 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 31.4934, 33.8662, 39.9989 by changing the saturation by 10% instead.

■ 31.4934, 33.8662,
39.9989

■ 31.4934, 33.8662,
39.9989

300.5915,
319.5350, 361.6709

■ 21.1285, 22.7908,
27.2239

■ 61.3866, 65.7255,
76.3989

■ 13.3310, 14.4391,
17.5075

■ 81.6457, 87.2783,
100.8610

■ 7.7354, 8.4267,
10.4312

105.9335,
113.0923, 130.0559

■ 3.9765, 4.3692,
5.5765

134.6154,
143.5520, 164.4021

■ 1.6888, 1.8822,
2.5247

168.0568,
179.0417, 204.3181

■ 0.4493, 0.5376,
0.8532

206.6231,

■ 0.0000, 0.0000,

219.9458, 250.2226

0.0000

250.6795,
266.6488, 302.5340

■ 31.4934, 33.8662,
39.9989

■ 31.4934, 33.8662,
39.9989

■ 27.7908, 30.5941,
39.5630

■ 35.6609, 37.4414,
40.4699

■ 24.5320, 27.6109,
39.1589

■ 40.3074, 41.3251,
40.9746

■ 21.6988, 24.9071,
38.7864

■ 45.4498, 45.5276,
41.5147

■ 19.2705, 22.4712,
38.4442

■ 51.1037, 50.0577,
42.0911

■ 17.2243, 20.2908,
38.1312

■ 57.2835, 54.9237,
42.7046

■ 15.5353, 18.3521,
37.8460

■ 64.0035, 60.1334,
43.3560

■ 14.1751, 16.6396,
37.5871

■ 67.9642, 63.9868,
43.8911

■ 13.1109, 15.1355,
37.3529

■ 69.2295, 66.5175,
44.3129

■ 12.2760, 13.8044,
37.1400

■ 70.5403, 69.1391,
44.7498

Harmonies

Analogous

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



31.0648, 33.8662, 38.5284



31.4934, 33.8662, 39.9989



32.1130, 33.8662, 40.6312

Triad

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



31.4934, 33.8662, 39.9989



33.4751, 33.8662, 37.0923



31.6231, 33.8662, 33.7121

Complementary

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



31.4934, 33.8662, 39.9989



32.2904, 33.1733, 33.1355

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.



32.2647, 33.8662, 33.3569



31.4934, 33.8662, 39.9989



33.3396, 33.8662, 35.2687

Square

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



31.4934, 33.8662, 39.9989



33.2620, 33.8662, 38.9172



32.8944, 33.8662, 33.9173



31.1389, 33.8662, 34.9046

Rectangle

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



31.4934, 33.8662, 39.9989



32.5531, 33.8662, 40.4767



32.8944, 33.8662, 33.9173



31.8273, 33.8662, 33.4927

Sweetspot

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



31.4944, 33.8676, 39.9996



61.6704, 65.3590, 73.1175



31.4823, 35.2658, 35.6110



13.3519, 14.1771, 15.9702



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.



31.4944, 33.8676, 39.9996



55.7138, 60.2061, 72.4368



30.2835, 31.4459, 39.5960



7.0764, 7.6117, 8.9993



9.4057, 10.5908, 28.4783



0.2383, 0.3038, 0.6119

Inverse Universe

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



32.3160, 31.8913, 37.2550



57.5251, 55.9034, 66.3743



33.5238, 35.6402, 33.5467



7.2635, 7.1619, 8.3741



13.8930, 6.9133, 11.8932



0.3124, 0.1535, 0.3579

Previews

White Background



This preview shows how the XYZ color 31.4934, 33.8662, 39.9989 looks on a white background.

Color Contrast Check

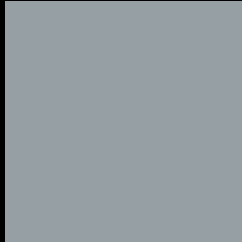
Large Text (above 18pt) WCAG AA × Fail

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 31.4934, 33.8662, 39.9989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

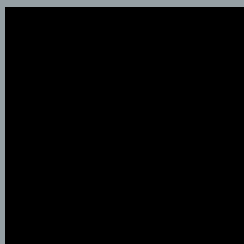
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

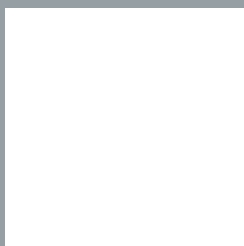
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4934, 33.8662, 39.9989

Background



This preview shows how black text looks on a background with the XYZ color 31.4934, 33.8662, 39.9989.



This preview shows how white text looks on a background with the XYZ color 31.4934, 33.8662,

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

31.4934, 33.8662, 39.9989

Protanopia

32.5106, 33.6547, 38.9649

Deuteranopia

34.5449, 33.9341, 40.3265



Tritanopia

32.1552, 33.8780, 43.3724

Trichromacy



Original Color

31.4934, 33.8662, 39.9989

Protanomaly

32.1854, 33.7268, 39.4639

Deuteranomaly

33.4132, 33.8407, 40.3682

Tritanomaly

31.8724, 33.7649, 41.8832

Monochromacy



Original Color

31.4934, 33.8662, 39.9989

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8984, 33.8618, 38.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4934, 33.8662, 39.9989 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(149, 159, 164) looks like.

```
.text, #text, p{  
    color:rgb(149, 159, 164)  
}
```

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(149, 159, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 159, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.4934, 33.8662, 39.9989 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(149, 159, 164) }
```


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

```
.border{ border-color:rgb(149, 159, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 159, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 159, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 159, 164);  
box-shadow:4px 4px 4px 4px rgb(149, 159,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4934, 33.8662, 39.9989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 159, 164) }
```

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

```
.background{ background-color: rgb(149,  
159, 164) }
```

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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