

Converting Colors

XYZ(31.4467, 33.5513, 40.0938)

Have a look what the booklet for
XYZ(31.4467, 33.5513, 40.0938)
contains.

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Color

**XYZ(31.5054, 33.6181,
39.9504)**

Conversions

Conversions Part 1

Format	Color
Hex	969EA4
RGB	150, 158, 164
RGB Percent	59%, 62%, 64%
CMY	0.4118, 0.3804, 0.3569
CMYK	0.09, 0.04, 0.00, 0.36
HSL	206°, 7%, 62%
HSV	206°, 9%, 64%
XYZ	31.5054, 33.6181, 39.9504
YIQ	156.2920, -6.6940, 0.1700

Conversions

Conversions Part 2

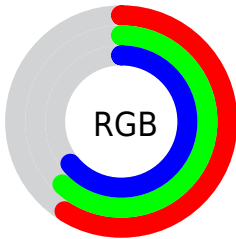
Format	Color
RYB	150, 155, 164
Decimal	9871012
CIELab	64.66, -1.63, -4.11
CIELCh	65, 4.426, 248.376
Yxy	33.6181, 0.2998, 0.3199
Android (android.graphics.Color)	4288061092 (0xFF969EA4)
YUV	156.2920, 3.8000, -5.5181
Hunter-Lab	57.9811, -4.4748, -0.2655

Details

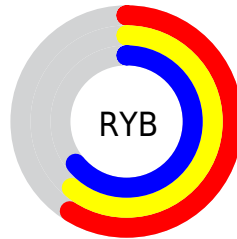
The XYZ color **31.5054, 33.6181, 39.9504** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.7035, 33.8713, 33.6689**, and the grayscale version is **31.7168, 33.3686, 36.3384**.

A 20% lighter version of the original color is **61.4823, 65.5403, 76.4279**, and **13.3279, 14.3379, 17.3943** is the 20% darker color. If you saturate the color by 10%, you get **27.5321, 29.8421, 39.4315**, and if you desaturate by 10%, it is **35.9716, 37.7517, 40.5134**.

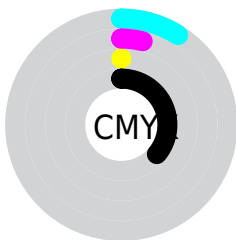
Distribution



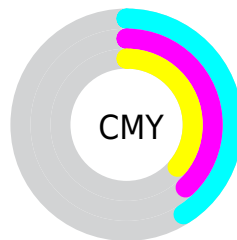
- Red (59%)
- Green (62%)
- Blue (64%)



- Red (59%)
- Yellow (61%)
- Blue (64%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (41%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5054, 33.6181, 39.9504 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 31.5054, 33.6181, 39.9504 by changing the saturation by 10% instead.

■ 31.5054, 33.6181,
39.9504

■ 31.5054, 33.6181,
39.9504

300.6455,
318.4258, 361.4603

■ 21.1377, 22.6004,
27.1864

■ 61.4053, 65.3393,
76.3242

■ 13.3377, 14.2987,
17.4796

■ 81.6683, 86.8116,
100.7711

■ 7.7401, 8.3287,
10.4114

105.9604,
112.5376, 129.9494

■ 3.9795, 4.3060,
5.5634

134.6470,
142.9016, 164.2776

■ 1.6905, 1.8462,
2.5170

168.0935,
178.2880, 204.1743

■ 0.4503, 0.5157,
0.8492

206.6651,

■ 0.0000, 0.0000,

219.0812, 250.0579

0.0000

250.7273,
265.6657, 302.3471

■ 31.5054, 33.6181,
39.9504

■ 31.5054, 33.6181,
39.9504

■ 27.5321, 29.8421,
39.4315

■ 35.9716, 37.7517,
40.5134

■ 24.0301, 26.4082,
38.9533

■ 40.9453, 42.2495,
41.1194

■ 20.9807, 23.3060,
38.5152

■ 46.4441, 47.1228,
41.7702

■ 18.3625, 20.5225,
38.1159

■ 52.4838, 52.3816,
42.4670

■ 16.1523, 18.0442,
37.7540

■ 59.0796, 58.0352,
43.2106

■ 14.3246, 15.8558,
37.4280

■ 66.2461, 64.0925,
44.0020

■ 12.8507, 13.9408,
37.1360

■ 70.2985, 68.6554,
44.6692

■ 11.6971, 12.2797,
36.8762

■ 72.0407, 72.1400,
45.2499

■ 10.8026, 10.8391,
36.6453

■ 73.8597, 75.7780,
45.8563

Harmonies

Analogous

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



31.0058, 33.6181, 38.8172



31.5054, 33.6181, 39.9504



32.1311, 33.6181, 40.1720

Triad

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



31.5054, 33.6181, 39.9504



33.1756, 33.6181, 36.0977



31.2014, 33.6181, 33.9324

Complementary

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



31.5054, 33.6181, 39.9504



32.7035, 33.8713, 33.6689

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.



31.7756, 33.6181, 33.2545



31.5054, 33.6181, 39.9504



32.9192, 33.6181, 34.4773

Square

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



31.5054, 33.6181, 39.9504



33.1009, 33.6181, 37.9075



32.4048, 33.6181, 33.4506



30.8319, 33.6181, 35.3315

Rectangle

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



31.5054, 33.6181, 39.9504



32.5365, 33.6181, 39.7663



32.4048, 33.6181, 33.4506



31.3765, 33.6181, 33.6147

Sweetspot

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



31.5064, 33.6195, 39.9511



61.5176, 65.0534, 73.0666



31.8404, 35.4302, 36.5397



13.3101, 14.0935, 15.9563



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.



31.5064, 33.6195, 39.9511



55.9364, 59.8478, 72.3559



30.3726, 31.3519, 39.5732



7.0207, 7.5004, 8.9808



8.2374, 8.2542, 28.0888



0.2187, 0.2647, 0.6054

Inverse Universe

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



32.3885, 32.1745, 36.8527



57.8336, 56.7779, 65.6837



33.8830, 36.2303, 34.0621



7.2354, 7.1506, 8.2262



13.3033, 6.6774, 8.7879



0.3026, 0.1495, 0.3059

Previews

White Background



This preview shows how the XYZ color 31.5054, 33.6181, 39.9504 looks on a white background.

Color Contrast Check

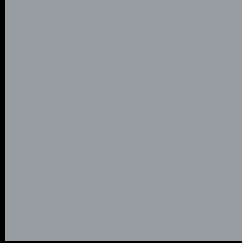
Large Text (above 18pt) WCAG AA × Fail

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 31.5054, 33.6181, 39.9504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

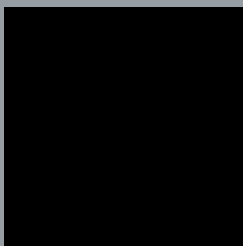
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

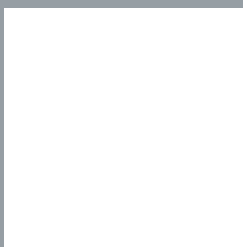
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5054, 33.6181, 39.9504

Background



This preview shows how black text looks on a background with the XYZ color 31.5054, 33.6181, 39.9504.



This preview shows how white text looks on a background with the XYZ color 31.5054, 33.6181,

39.9504.

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

31.5054, 33.6181, 39.9504

Protanopia

32.5999, 33.6904, 39.4350

Deuteranopia

34.1682, 33.4979, 40.2622



Tritanopia

32.0752, 33.5955, 42.8243

Trichromacy



Original Color

31.5054, 33.6181, 39.9504

Protanomaly

32.1854, 33.7268, 39.4639

Deuteranomaly

33.0451, 33.4049, 40.3034

Tritanomaly

31.8874, 33.5204, 41.8352

Monochromacy



Original Color

31.5054, 33.6181, 39.9504

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.6414, 33.4872, 37.5969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5054, 33.6181, 39.9504 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(150, 158, 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(150, 158, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 158, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.5054, 33.6181, 39.9504 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, 164) }
```


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

```
.border{ border-color:rgb(150, 158, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 158, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 158, 164);  
box-shadow:4px 4px 4px 4px rgb(150, 158,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5054, 33.6181, 39.9504 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, 164) }
```

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

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