

Converting Colors

XYZ(31.4637, 37.8063, 9.8356)

Have a look what the booklet for
XYZ(31.4637, 37.8063, 9.8356)
contains.

XYZ(31.5008, 37.7664, 9.7671)	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(31.5008, 37.7664,
9.7671)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AB3B
RGB	168, 171, 59
RGB Percent	66%, 67%, 23%
CMY	0.3412, 0.3294, 0.7686
CMYK	0.02, 0.00, 0.65, 0.33
HSL	62°, 49%, 45%
HSV	62°, 65%, 67%
XYZ	31.5008, 37.7664, 9.7671
YIQ	157.3350, 34.1640, -35.4680

Conversions

Conversions Part 2

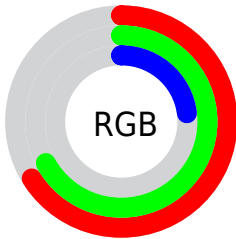
Format	Color
RYB	59, 171, 62
Decimal	11053883
CIELab	67.85, -15.40, 55.04
CIELCh	68, 57.150, 105.629
Yxy	37.7664, 0.3986, 0.4778
Android (android.graphics.Color)	4289243963 (0xFFA8AB3B)
YUV	157.3350, -48.4792, 9.3532
Hunter-Lab	61.4544, -16.0481, 33.5950

Details

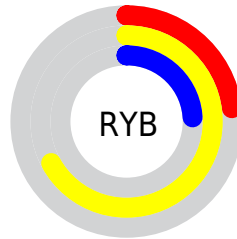
The XYZ color **31.5008, 37.7664, 9.7671** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.9024, 7.0932, 39.3249**, and the grayscale version is **32.4007, 34.0880, 37.1219**.

A 20% lighter version of the original color is **61.4850, 71.7313, 25.9342**, and **13.4069, 16.7044, 2.5176** is the 20% darker color. If you saturate the color by 10%, you get **31.0308, 37.5685, 7.7974**, and if you desaturate by 10%, it is **32.1182, 38.0260, 12.5035**.

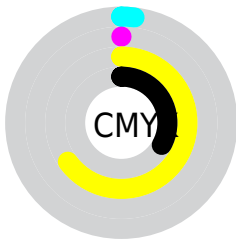
Distribution



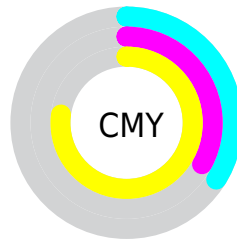
- Red (66%)
- Green (67%)
- Blue (23%)



- Red (23%)
- Yellow (67%)
- Blue (24%)



- Cyan (2%)
- Magenta (0%)
- Yellow (65%)
- Black (33%)





- Cyan (34%)
- Magenta (33%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5008, 37.7664, 9.7671 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 31.5008, 37.7664, 9.7671 by changing the saturation by 10% instead.


 31.5008, 37.7664,
9.7671


 31.5008, 37.7664,
9.7671


300.6248,
336.6168, 199.4257


 21.1342, 25.8014,
5.1412


 61.3982, 71.7499,
25.9574


 13.3351, 16.6752,
2.2702


 81.6596, 94.5373,
38.3590

 7.7383, 10.0032,
0.7144


 105.9501,
121.7010, 54.1895

 3.9784, 5.4010,
0.0000

 134.6349,
153.6252, 73.8676

 1.6899, 2.4844,
0.0000

 168.0794,
190.6946, 97.8117

 0.4499, 0.8688,
0.0000

206.6490,

 0.0000, 0.0000,

233.2934, 126.4404

0.0000

250.7090,
281.8060, 160.1722

■ 31.5008, 37.7664,
9.7671

■ 31.5008, 37.7664,
9.7671

■ 31.0308, 37.5685,
7.7974

■ 32.1182, 38.0260,
12.5035

■ 30.6908, 37.4213,
6.5141

■ 32.8931, 38.3474,
16.0717

■ 30.4629, 37.3189,
5.8189

■ 33.8379, 38.7367,
20.5326

■ 30.3772, 37.2796,
5.5946

■ 34.9629, 39.1981,
25.9409

■ 36.2777, 39.7355,
32.3466

■ 37.7911, 40.3524,
39.7964

■ 39.5115, 41.0520,
48.3341

■ 41.4466, 41.8377,
58.0008

■ 43.6039, 42.7122,
68.8357

Harmonies

Analogous

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



40.2902, 37.7664, 9.6611



31.5008, 37.7664, 9.7671



25.0475, 37.7664, 15.5769

Triad

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



31.5008, 37.7664, 9.7671



25.2562, 37.7664, 86.7613



55.0472, 37.7664, 54.4514

Complementary

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



31.5008, 37.7664, 9.7671



10.9024, 7.0932, 39.3249

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.



49.4960, 37.7664, 85.5208



31.5008, 37.7664, 9.7671



31.8332, 37.7664, 108.7639

Square

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



31.5008, 37.7664, 9.7671



21.8676, 37.7664, 55.7090



40.6818, 37.7664, 108.2343



54.9185, 37.7664, 29.3320

Rectangle

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



31.5008, 37.7664, 9.7671



22.5117, 37.7664, 24.1019



40.6818, 37.7664, 108.2343



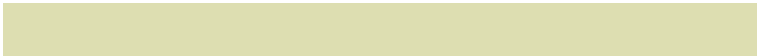
53.7483, 37.7664, 64.7057

Sweetspot

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



31.5017, 37.7681, 9.7679



63.7805, 70.6752, 52.1263



19.2469, 12.2979, 5.4975



14.0826, 15.7033, 10.9399



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.5017, 37.7681, 9.7679



55.2456, 67.1392, 12.6934



22.1811, 32.9632, 9.3317



8.6411, 9.3191, 8.5567



22.9060, 28.1056, 4.2176



0.6437, 0.7852, 0.1176

Inverse Universe

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



10.9024, 7.0932, 39.3249



15.5448, 7.9775, 69.7224



16.2341, 9.8418, 39.5744



7.5980, 7.7671, 10.0514



5.5919, 2.2426, 29.1826



0.1619, 0.0656, 0.8121

Previews

White Background



This preview shows how the XYZ color 31.5008, 37.7664, 9.7671 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 31.5008, 37.7664, 9.7671 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 31.5008, 37.7664, 9.7671

Background



This preview shows how black text looks on a background with the XYZ color 31.5008, 37.7664, 9.7671.



This preview shows how white text looks on a background with the XYZ color 31.5008, 37.7664,

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

31.5008, 37.7664, 9.7671

Protanopia

34.2264, 37.5300, 9.4431

Deuteranopia

38.4360, 37.6059, 10.0834



Tritanopia

38.7040, 37.7424, 44.7803

Trichromacy



Original Color

31.5008, 37.7664, 9.7671

Protanomaly

33.1728, 37.5266, 9.4980

Deuteranomaly

35.5281, 37.3949, 9.9028

Tritanomaly

35.1195, 37.3308, 27.1844

Monochromacy



Original Color

31.5008, 37.7664, 9.7671

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0695, 34.7982, 23.1683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5008, 37.7664, 9.7671 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(168, 171, 59)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 59)  
}
```

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(168, 171, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 59) }
```

Border

The CSS property to change the border of an element to XYZ 31.5008, 37.7664, 9.7671 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(168, 171, 59) }
```


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

```
.border{ border-color:rgb(168, 171, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 171, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 59);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5008, 37.7664, 9.7671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 59) }
```

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

```
.background{ background-color: rgb(168,  
171, 59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor