

Converting Colors

XYZ(31.5717, 36.4133, 13.8061)

Have a look what the booklet for
XYZ(31.5717, 36.4133, 13.8061)
contains.

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Color

**XYZ(31.5986, 36.3475,
13.7379)**

Conversions

Conversions Part 1

Format	Color
Hex	A9A654
RGB	169, 166, 84
RGB Percent	66%, 65%, 33%
CMY	0.3373, 0.3490, 0.6706
CMYK	0.00, 0.02, 0.50, 0.34
HSL	58°, 34%, 50%
HSV	58°, 50%, 66%
XYZ	31.5986, 36.3475, 13.7379
YIQ	157.5490, 28.1100, -24.8660

Conversions

Conversions Part 2

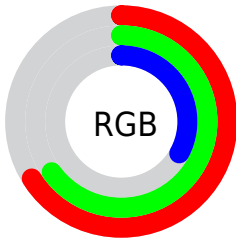
Format	Color
RYB	87, 169, 84
Decimal	11118164
CIELab	66.78, -10.46, 42.42
CIELCh	67, 43.690, 103.845
Yxy	36.3475, 0.3868, 0.4450
Android (android.graphics.Color)	4289308244 (0xFFA9A654)
YUV	157.5490, -36.2597, 10.0425
Hunter-Lab	60.2889, -11.9502, 28.6919

Details

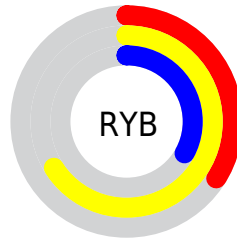
The XYZ color **31.5986, 36.3475, 13.7379** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.2258, 11.5655, 39.0185**, and the grayscale version is **32.4459, 34.1356, 37.1736**.

A 20% lighter version of the original color is **61.6644, 69.6592, 33.4881**, and **13.3763, 15.7950, 3.8571** is the 20% darker color. If you saturate the color by 10%, you get **30.9073, 35.8995, 10.6266**, and if you desaturate by 10%, it is **32.4518, 36.8637, 17.6919**.

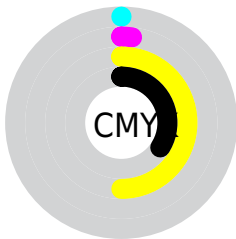
Distribution



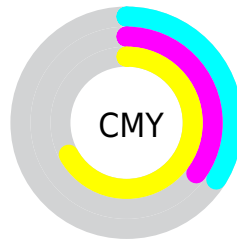
- Red (66%)
- Green (65%)
- Blue (33%)



- Red (34%)
- Yellow (66%)
- Blue (33%)



- Cyan (0%)
- Magenta (2%)
- Yellow (50%)
- Black (34%)



- Cyan (34%)
- Magenta (35%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5986, 36.3475, 13.7379 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 31.5986, 36.3475, 13.7379 by changing the saturation by 10% instead.

■ 31.5986, 36.3475,
13.7379

■ 31.5986, 36.3475,
13.7379

301.0645,
330.4769, 226.9656

■ 21.2091, 24.7027,
7.8019

■ 61.5507, 69.5681,
33.3336

■ 13.3903, 15.8557,
3.8825

■ 81.8441, 91.9127,
47.8305

■ 7.7767, 9.4221,
1.5611

■ 106.1696,
118.5926, 66.0181

■ 4.0030, 5.0175,
0.2628

■ 134.8924,
149.9923, 88.3149

■ 1.7038, 2.2575,
0.0000

■ 168.3779,
186.4962, 115.1395

■ 0.4587, 0.7511,
0.0000

206.9916,

■ 0.0000, 0.0000,

228.4887, 146.9105

0.0000

251.0986,
276.3541, 184.0463

■ 31.5986, 36.3475,
13.7379

■ 31.5986, 36.3475,
13.7379

■ 30.9073, 35.8995,
10.6266

■ 32.4518, 36.8637,
17.6919

■ 30.3637, 35.5100,
8.2944

■ 33.4750, 37.4474,
22.5418

■ 29.9554, 35.1755,
6.6719

■ 34.6784, 38.1040,
28.3390

■ 29.6666, 34.8896,
5.6769

■ 36.0712, 38.8372,
35.1305

■ 29.4672, 34.6451,
5.1341

■ 37.6615, 39.6502,
42.9599

■ 39.4573, 40.5461,
51.8685

■ 41.4658, 41.5280,
61.8952

■ 43.6942, 42.5986,
73.0769

■ 46.1491, 43.7607,
85.4491

Harmonies

Analogous

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



38.1995, 36.3475, 13.9260



31.5986, 36.3475, 13.7379



26.4813, 36.3475, 18.7260

Triad

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



31.5986, 36.3475, 13.7379



26.1795, 36.3475, 70.4668



48.2256, 36.3475, 50.5735

Complementary

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



31.5986, 36.3475, 13.7379



14.2258, 11.5655, 39.0185

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.



44.1043, 36.3475, 71.9992



31.5986, 36.3475, 13.7379



31.1354, 36.3475, 85.7531

Square

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



31.5986, 36.3475, 13.7379



23.6328, 36.3475, 48.9258



37.6738, 36.3475, 86.3894



48.3911, 36.3475, 31.5008

Rectangle

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



31.5986, 36.3475, 13.7379



24.3627, 36.3475, 25.6208



37.6738, 36.3475, 86.3894



47.2354, 36.3475, 57.8546

Sweetspot

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



31.5995, 36.3492, 13.7387



63.3178, 68.8850, 56.6394



21.3046, 15.4848, 11.1534



13.6925, 14.9569, 11.8187



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.



31.5995, 36.3492, 13.7387



55.2684, 64.2362, 18.6577



25.1098, 33.8214, 13.5928



8.1239, 8.7278, 8.0457



21.9704, 25.8380, 3.8293



0.5413, 0.6421, 0.0954

Inverse Universe

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



14.2258, 11.5655, 39.0185



20.6819, 14.9076, 69.0125



18.3936, 13.3615, 39.1455



7.1522, 7.3413, 9.4584



5.3940, 2.2481, 28.1251



0.1377, 0.0675, 0.6864

Previews

White Background



This preview shows how the XYZ color 31.5986, 36.3475, 13.7379 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 31.5986, 36.3475, 13.7379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

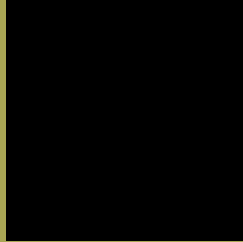
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5986, 36.3475, 13.7379

Background



This preview shows how black text looks on a background with the XYZ color 31.5986, 36.3475, 13.7379.



This preview shows how white text looks on a background with the XYZ color 31.5986, 36.3475,

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

31.5986, 36.3475, 13.7379

Protanopia

33.2489, 36.4026, 13.4576

Deuteranopia

36.9948, 36.2729, 14.0684



Tritanopia

37.5785, 36.4435, 42.5898

Trichromacy



Original Color

31.5986, 36.3475, 13.7379

Protanomaly

32.5160, 36.2894, 13.4744

Deuteranomaly

34.8169, 36.1595, 13.9485

Tritanomaly

34.8374, 36.0905, 29.1748

Monochromacy



Original Color

31.5986, 36.3475, 13.7379

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7419, 34.8098, 26.5187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5986, 36.3475, 13.7379 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(169, 166, 84)` looks like.

```
.text, #text, p{  
    color:rgb(169, 166, 84)  
}
```

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(169, 166, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 166, 84) }
```

Border

The CSS property to change the border of an element to XYZ 31.5986, 36.3475, 13.7379 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(169, 166, 84) }
```


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

```
.border{ border-color:rgb(169, 166, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 166, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 166, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 166, 84);  
box-shadow:4px 4px 4px 4px rgb(169, 166,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5986, 36.3475, 13.7379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 166, 84) }
```

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

```
.background{ background-color: rgb(169,  
166, 84) }
```

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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