

Converting Colors

XYZ(31.9834, 36.7253, 28.6206)

Have a look what the booklet for
XYZ(31.9834, 36.7253, 28.6206)
contains.

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Color

**XYZ(31.9641, 36.7514,
28.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	9BA888
RGB	155, 168, 136
RGB Percent	61%, 66%, 53%
CMY	0.3922, 0.3412, 0.4667
CMYK	0.08, 0.00, 0.19, 0.34
HSL	84°, 16%, 60%
HSV	84°, 19%, 66%
XYZ	31.9641, 36.7514, 28.7016
YIQ	160.4650, 2.5240, -12.7080

Conversions

Conversions Part 2

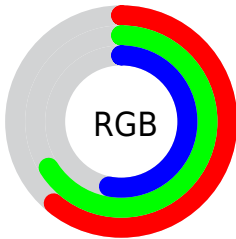
Format	Color
RYB	136, 168, 149
Decimal	10201224
CIELab	67.09, -10.44, 15.02
CIElCh	67, 18.295, 124.802
Yxy	36.7514, 0.3281, 0.3773
Android (android.graphics.Color)	4288391304 (0xFF9BA888)
YUV	160.4650, -12.0612, -4.7928
Hunter-Lab	60.6229, -11.9741, 14.3655

Details

The XYZ color **31.9641, 36.7514, 28.7016** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.2680, 26.8261, 40.7359**, and the grayscale version is **33.6823, 35.4364, 38.5903**.

A 20% lighter version of the original color is **62.1513, 70.1511, 58.4089**, and **13.6340, 16.1057, 11.1942** is the 20% darker color. If you saturate the color by 10%, you get **29.5895, 35.6557, 22.8388**, and if you desaturate by 10%, it is **34.6020, 37.9634, 35.5552**.

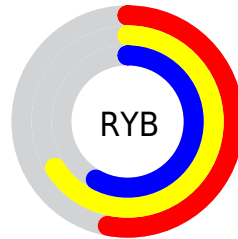
Distribution



Red (61%)

Green (66%)

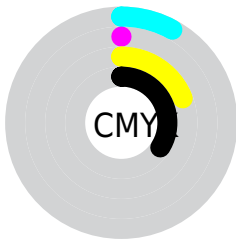
Blue (53%)



Red (53%)

Yellow (66%)

Blue (58%)

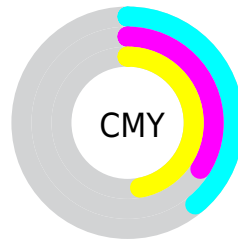


Cyan (8%)

Magenta (0%)

Yellow (19%)

Black (34%)



Cyan (39%)

Magenta (34%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9641, 36.7514, 28.7016 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 31.9641, 36.7514, 28.7016 by changing the saturation by 10% instead.

■ 31.9641, 36.7514,
28.7016

■ 31.9641, 36.7514,
28.7016

302.7039,
332.2330, 309.8212

■ 21.4895, 25.0151,
18.6116

■ 62.1204, 70.1903,
58.6392

■ 13.5968, 16.0883,
11.2160

■ 82.5328, 92.6616,
79.3238

■ 7.9206, 9.5866,
6.0963

■ 106.9884,
119.4801, 104.3770

■ 4.0955, 5.1258,
2.8340

135.8528,
151.0300, 134.2174

■ 1.7563, 2.3212,
1.0105

169.4912,
187.6959, 169.2634

■ 0.4911, 0.7849,
0.0000

208.2689,

■ 0.0000, 0.0000,

229.8621, 209.9337

0.0000

252.5513,
277.9130, 256.6468

■ 31.9641, 36.7514,
28.7016

■ 31.9641, 36.7514,
28.7016

■ 29.5895, 35.6557,
22.8388

■ 34.6020, 37.9634,
35.5552

■ 27.4652, 34.6673,
17.9187

■ 37.5095, 39.2908,
43.4402

■ 25.5818, 33.7835,
13.8924

■ 40.6963, 40.7387,
52.3976

■ 23.9275, 32.9995,
10.7061

■ 44.1710, 42.3107,
62.4656

■ 22.4898, 32.3101,
8.2999

■ 47.9414, 44.0101,
73.6806

■ 21.2545, 31.7095,
6.6060

■ 52.0153, 45.8401,
86.0772

■ 20.2051, 31.1909,
5.5450

■ 56.3999, 47.8037,
99.6885

■ 19.3107, 30.7418,
4.9619

■ 58.5216, 48.8717,
100.9565

■ 19.2300, 30.7012,
4.9124

■ 60.5023, 49.8927,
101.0492

Harmonies

Analogous

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



34.4849, 36.7514, 26.6009



31.9641, 36.7514, 28.7016



30.3079, 36.7514, 33.8376

Triad

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



31.9641, 36.7514, 28.7016



32.7013, 36.7514, 55.5525



40.5414, 36.7514, 38.7462

Complementary

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



31.9641, 36.7514, 28.7016



28.2680, 26.8261, 40.7359

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.



40.0021, 36.7514, 46.9042



31.9641, 36.7514, 28.7016



35.3812, 36.7514, 57.3193

Square

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



31.9641, 36.7514, 28.7016



30.7174, 36.7514, 49.4192



38.0763, 36.7514, 53.9705



39.5135, 36.7514, 31.8884

Rectangle

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



31.9641, 36.7514, 28.7016



29.8667, 36.7514, 38.6432



38.0763, 36.7514, 53.9705



40.5379, 36.7514, 41.4210

Sweetspot

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



31.9651, 36.7530, 28.7024



64.2857, 69.5720, 68.5235



31.3096, 31.5354, 27.7298



13.9424, 15.1321, 14.7497



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.



31.9651, 36.7530, 28.7024



56.0597, 65.7945, 47.2127



29.1286, 35.2907, 28.5696



7.8476, 8.6195, 8.0394



14.5801, 23.2136, 3.7122



0.4104, 0.5935, 0.0929

Inverse Universe

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



28.2680, 26.8261, 40.7359



48.0625, 44.3189, 73.2463



31.3489, 28.4144, 40.8801



7.4096, 7.4438, 9.4646



7.2067, 3.0986, 28.1937



0.2336, 0.1054, 0.6887

Previews

White Background



This preview shows how the XYZ color 31.9641, 36.7514, 28.7016 looks on a white background.

Color Contrast Check

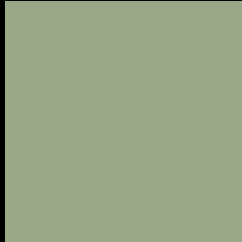
Large Text (above 18pt) WCAG AA × Fail

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 31.9641, 36.7514, 28.7016 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 31.9641, 36.7514, 28.7016

Background



This preview shows how black text looks on a background with the XYZ color 31.9641, 36.7514, 28.7016.



This preview shows how white text looks on a background with the XYZ color 31.9641, 36.7514,

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

31.9641, 36.7514, 28.7016

Protanopia

34.5644, 36.7721, 27.4663

Deuteranopia

37.3835, 36.6403, 29.1467



Tritanopia

35.5330, 36.8666, 45.8006

Trichromacy



Original Color

31.9641, 36.7514, 28.7016

Protanomaly

33.4841, 36.7385, 27.8807

Deuteranomaly

35.1647, 36.5260, 28.8638

Tritanomaly

34.1862, 36.8544, 39.0300

Monochromacy



Original Color

31.9641, 36.7514, 28.7016

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7837, 35.6979, 34.4406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9641, 36.7514, 28.7016 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(155, 168, 136)` looks like.

```
.text, #text, p{  
    color:rgb(155, 168, 136)  
}
```

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(155, 168, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 168, 136) }
```

Border

The CSS property to change the border of an element to XYZ 31.9641, 36.7514, 28.7016 is called "border". The border property can be set on classes, ids or directly on the HTML element.

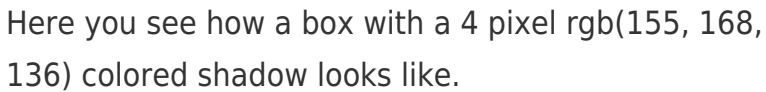
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 168, 136) }
```


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

```
.border{ border-color:rgb(155, 168, 136) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 168, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 168, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 168, 136);  
box-shadow:4px 4px 4px 4px rgb(155, 168,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9641, 36.7514, 28.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 168, 136) }
```

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

```
.background{ background-color: rgb(155,  
168, 136) }
```

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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