

Converting Colors

XYZ(31.4322, 37.6279, 28.1338)

Have a look what the booklet for
XYZ(31.4322, 37.6279, 28.1338)
contains.

XYZ(31.4500, 37.6158, 28.1572)	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(31.4500, 37.6158,
28.1572)**

Conversions

Conversions Part 1

Format	Color
Hex	95AC86
RGB	149, 172, 134
RGB Percent	58%, 67%, 53%
CMY	0.4157, 0.3255, 0.4745
CMYK	0.13, 0.00, 0.22, 0.33
HSL	96°, 19%, 60%
HSV	96°, 22%, 67%
XYZ	31.4500, 37.6158, 28.1572
YIQ	160.7910, -1.5100, -16.6940

Conversions

Conversions Part 2

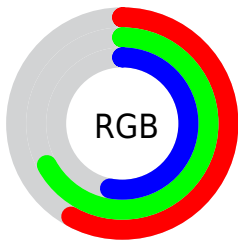
Format	Color
RYB	134, 172, 157
Decimal	9809030
CIELab	67.74, -15.10, 16.95
CIELCh	68, 22.704, 131.696
Yxy	37.6158, 0.3235, 0.3869
Android (android.graphics.Color)	4287999110 (0xFF95AC86)
YUV	160.7910, -13.2080, -10.3407
Hunter-Lab	61.3317, -15.7984, 15.7124

Details

The XYZ color **31.4500, 37.6158, 28.1572** is a light color, and the websafe version is hex **999966**. A complement of this color would be **29.8776, 27.1979, 42.7067**, and the grayscale version is **33.8399, 35.6022, 38.7708**.

A 20% lighter version of the original color is **61.0673, 71.2225, 57.5424**, and **13.3537, 16.6697, 10.9013** is the 20% darker color. If you saturate the color by 10%, you get **28.5314, 36.2399, 22.2596**, and if you desaturate by 10%, it is **34.7356, 39.1606, 35.0921**.

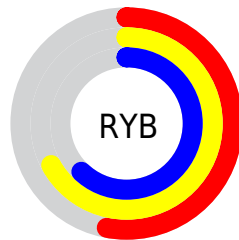
Distribution



Red (58%)

Green (67%)

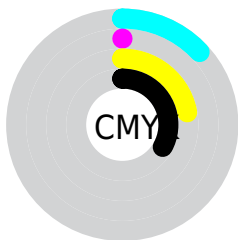
Blue (53%)



Red (53%)

Yellow (67%)

Blue (62%)

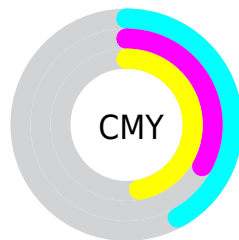


Cyan (13%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (42%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4500, 37.6158, 28.1572 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 31.4500, 37.6158, 28.1572 by changing the saturation by 10% instead.

■ 31.4500, 37.6158,
28.1572

■ 31.4500, 37.6158,
28.1572

300.3961,
335.9690, 307.1529

■ 21.0953, 25.6846,
18.2041

■ 61.3189, 71.5189,
57.7614

■ 13.3065, 16.5879,
10.9257

■ 81.5638, 94.2596,
78.2497

■ 7.7184, 9.9411,
5.9033

■ 105.8360,
121.3723, 103.0867

■ 3.9656, 5.3599,
2.7186

134.5011,
153.2413, 132.6911

■ 1.6827, 2.4599,
0.9527

167.9243,
190.2511, 167.4814

■ 0.4454, 0.8565,
0.0000

206.4709,

■ 0.0000, 0.0000,

232.7860, 207.8761

0.0000

250.5064,
281.2305, 254.2937

■ 31.4500, 37.6158,
28.1572

■ 31.4500, 37.6158,
28.1572

■ 28.5314, 36.2399,
22.2596

■ 34.7356, 39.1606,
35.0921

■ 25.9631, 35.0219,
17.3470

■ 38.3982, 40.8751,
43.1084

■ 23.7310, 33.9570,
13.3663

■ 42.4512, 42.7664,
52.2505

■ 21.8193, 33.0383,
10.2585

■ 46.9064, 44.8396,
62.5596

■ 20.2104, 32.2582,
7.9575

■ 51.7751, 47.0996,
74.0748

■ 18.8848, 31.6082,
6.3881

■ 57.0679, 49.5513,
86.8335

■ 17.8199, 31.0786,
5.4609

■ 62.7954, 52.1991,
100.8714

■ 17.1294, 30.7315,
5.0290

■ 66.1772, 53.9314,
101.5296

■ 69.6635, 55.7287,
101.6928

Harmonies

Analogous

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



34.4024, 37.6158, 24.8001



31.4500, 37.6158, 28.1572



29.7221, 37.6158, 35.1835

Triad

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



31.4500, 37.6158, 28.1572



33.6753, 37.6158, 62.1772



42.7748, 37.6158, 37.1638

Complementary

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



31.4500, 37.6158, 28.1572



29.8776, 27.1979, 42.7067

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.



42.5483, 37.6158, 47.3303



31.4500, 37.6158, 28.1572



37.1379, 37.6158, 62.9418

Square

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



31.4500, 37.6158, 28.1572



30.9478, 37.6158, 55.2014



40.4309, 37.6158, 57.1455



41.0308, 37.6158, 29.4019

Rectangle

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



31.4500, 37.6158, 28.1572



29.4239, 37.6158, 41.5317



40.4309, 37.6158, 57.1455



42.9295, 37.6158, 40.3880

Sweetspot

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



31.4510, 37.6174, 28.1580



66.2264, 72.5455, 70.6340



33.3409, 34.5397, 27.4643



14.3111, 15.7277, 15.1725



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.



31.4510, 37.6174, 28.1580



54.1187, 66.8567, 45.0853



29.1581, 36.4042, 29.4595



8.1924, 9.0878, 8.5357



12.8046, 22.8981, 3.7449



0.4188, 0.6693, 0.1071

Inverse Universe

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



29.8776, 27.1979, 42.7067



50.7003, 44.2337, 76.6715



32.6263, 28.6564, 40.9570



8.0264, 7.9879, 10.0715



9.8625, 4.4442, 29.3825



0.3336, 0.1542, 0.8202

Previews

White Background



This preview shows how the XYZ color 31.4500, 37.6158, 28.1572 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 31.4500, 37.6158, 28.1572 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 31.4500, 37.6158, 28.1572

Background



This preview shows how black text looks on a background with the XYZ color 31.4500, 37.6158, 28.1572.



This preview shows how white text looks on a background with the XYZ color 31.4500, 37.6158,

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

31.4500, 37.6158, 28.1572

Protanopia

34.9839, 37.2766, 26.4703

Deuteranopia

37.9774, 37.2070, 28.8470



Tritanopia

35.4832, 37.5950, 48.0342

Trichromacy



Original Color

31.4500, 37.6158, 28.1572

Protanomaly

33.6413, 37.3831, 26.9153

Deuteranomaly

35.2203, 37.0859, 28.5945

Tritanomaly

33.7504, 37.4219, 40.0946

Monochromacy



Original Color

31.4500, 37.6158, 28.1572

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.9457, 36.3127, 34.5508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4500, 37.6158, 28.1572 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, 172, 134)` looks like.

```
.text, #text, p{  
    color:rgb(149, 172, 134)  
}
```

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, 172, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 172, 134) }
```

Border

The CSS property to change the border of an element to XYZ 31.4500, 37.6158, 28.1572 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, 172, 134) }
```


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

```
.border{ border-color:rgb(149, 172, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 172, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 172, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 172, 134);  
box-shadow:4px 4px 4px 4px rgb(149, 172,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4500, 37.6158, 28.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 172, 134) }
```

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

```
.background{ background-color: rgb(149,  
172, 134) }
```

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