

Converting Colors

XYZ(31.9429, 37.3733, 25.2707)

Have a look what the booklet for
XYZ(31.9429, 37.3733, 25.2707)
contains.

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Color

**XYZ(31.8509, 37.3237,
25.2641)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAA7E
RGB	156, 170, 126
RGB Percent	61%, 67%, 49%
CMY	0.3882, 0.3333, 0.5059
CMYK	0.08, 0.00, 0.26, 0.33
HSL	79°, 21%, 58%
HSV	79°, 26%, 67%
XYZ	31.8509, 37.3237, 25.2641
YIQ	160.7980, 5.7800, -16.6520

Conversions

Conversions Part 2

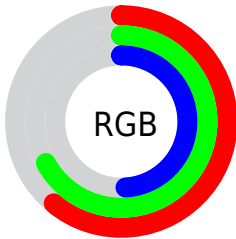
Format	Color
R _{YB}	126, 170, 140
Decimal	10267262
CIE _{Lab}	67.52, -12.70, 21.10
CIE _{LCh}	68, 24.629, 121.047
Yxy	37.3237, 0.3373, 0.3952
Android (android.graphics.Color)	4288457342 (0xFF9CAA7E)
YUV	160.7980, -17.1554, -4.2078
Hunter-Lab	61.0931, -13.8520, 18.2467

Details

The XYZ color **31.8509, 37.3237, 25.2641** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **25.5332, 23.4004, 41.2032**, and the grayscale version is **33.8585, 35.6218, 38.7921**.

A 20% lighter version of the original color is **61.9259, 70.9540, 53.0795**, and **13.5269, 16.4357, 9.4807** is the 20% darker color. If you saturate the color by 10%, you get **29.8224, 36.3953, 19.9215**, and if you desaturate by 10%, it is **34.1144, 38.3540, 31.5924**.

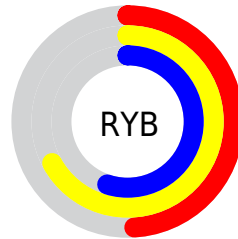
Distribution



Red (61%)

Green (67%)

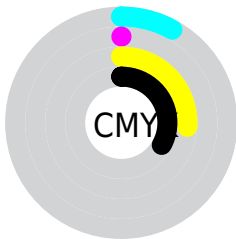
Blue (49%)



Red (49%)

Yellow (67%)

Blue (55%)

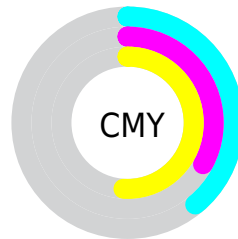


Cyan (8%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (39%)


Magenta (33%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8509, 37.3237, 25.2641 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 31.8509, 37.3237, 25.2641 by changing the saturation by 10% instead.


 31.8509, 37.3237,
25.2641


 31.8509, 37.3237,
25.2641


302.1969,
334.7098, 292.6403


 21.4026, 25.4582,
16.0531


 61.9440, 71.0704,
53.0548

 13.5328, 16.4188,
9.4070


 82.3196, 93.7203,
72.4715

 7.8759, 9.8210,
4.9072


 106.7351,
120.7339, 96.1273

 4.0668, 5.2804,
2.1351

135.5556,
152.4955, 124.4407

 1.7400, 2.4127,
0.6365

169.1468,
189.3895, 157.8301

 0.4811, 0.8324,
0.0000

207.8738,

 0.0000, 0.0000,

231.8003, 196.7141

0.0000

252.1020,
280.1123, 241.5114

■ 31.8509, 37.3237,
25.2641

■ 31.8509, 37.3237,
25.2641

■ 29.8224, 36.3953,
19.9215

■ 34.1144, 38.3540,
31.5924

■ 28.0161, 35.5598,
15.5125

■ 36.6194, 39.4851,
38.9501

■ 26.4219, 34.8144,
11.9839

■ 39.3757, 40.7223,
47.3812

■ 25.0281, 34.1544,
9.2763

■ 42.3914, 42.0688,
56.9266

■ 23.8212, 33.5742,
7.3227

■ 45.6746, 43.5280,
67.6248

■ 22.7860, 33.0677,
6.0459

■ 49.2327, 45.1028,
79.5125

■ 21.9025, 32.6269,
5.3442

■ 53.0730, 46.7963,
92.6250

■ 21.5648, 32.4572,
5.1283

■ 56.0538, 48.1518,
100.9476

■ 57.5178, 48.9065,
101.0161

Harmonies

Analogous

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



35.3422, 37.3237, 23.1525



31.8509, 37.3237, 25.2641



29.4779, 37.3237, 31.3575

Triad

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



31.8509, 37.3237, 25.2641



32.0658, 37.3237, 61.7521



43.2641, 37.3237, 40.2594

Complementary

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



31.8509, 37.3237, 25.2641



25.5332, 23.4004, 41.2032

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.



42.2350, 37.3237, 51.5924



31.8509, 37.3237, 25.2641



35.6083, 37.3237, 65.2564

Square

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



31.8509, 37.3237, 25.2641



29.5956, 37.3237, 52.3700



39.3642, 37.3237, 61.2499



42.0858, 37.3237, 30.8056

Rectangle

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



31.8509, 37.3237, 25.2641



28.7579, 37.3237, 37.4796



39.3642, 37.3237, 61.2499



43.1643, 37.3237, 43.9714

Sweetspot

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



31.8519, 37.3253, 25.2649



65.3713, 71.1571, 67.4802



29.7131, 28.7903, 23.7302



14.4254, 15.7995, 14.5961



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.



31.8519, 37.3253, 25.2649



55.6471, 66.7396, 40.1193



27.9839, 35.3314, 25.0839



7.9112, 8.6523, 8.0424



15.9222, 23.9054, 3.7750



0.4369, 0.6072, 0.0942

Inverse Universe

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



25.5332, 23.4004, 41.2032



42.2395, 37.1831, 73.9527



29.6046, 25.4993, 41.3938



7.3482, 7.4121, 9.4617



6.5128, 2.7409, 28.1613



0.2111, 0.0938, 0.6876

Previews

White Background



This preview shows how the XYZ color 31.8509, 37.3237, 25.2641 looks on a white background.

Color Contrast Check

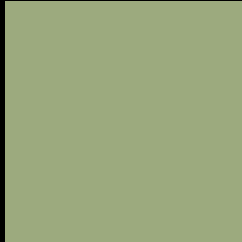
Large Text (above 18pt) WCAG AA × Fail

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 31.8509, 37.3237, 25.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

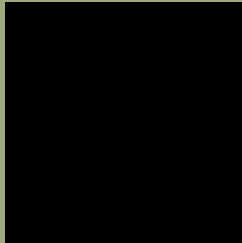
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

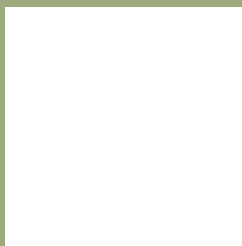
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8509, 37.3237, 25.2641

Background



This preview shows how black text looks on a background with the XYZ color 31.8509, 37.3237, 25.2641.



This preview shows how white text looks on a background with the XYZ color 31.8509, 37.3237,

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

31.8509, 37.3237, 25.2641

Protanopia

34.7551, 37.2111, 24.0896

Deuteranopia

37.9275, 37.2452, 25.9589



Tritanopia

36.0379, 37.1155, 46.3389

Trichromacy



Original Color

31.8509, 37.3237, 25.2641

Protanomaly

33.6365, 37.1627, 24.4691

Deuteranomaly

35.4070, 36.9829, 25.6943

Tritanomaly

34.3050, 37.2146, 37.7228

Monochromacy



Original Color

31.8509, 37.3237, 25.2641

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.9188, 36.0600, 33.2422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8509, 37.3237, 25.2641 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(156, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(156, 170, 126)  
}
```

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(156, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 170, 126) }
```

Border

The CSS property to change the border of an element to XYZ 31.8509, 37.3237, 25.2641 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(156, 170, 126) }
```


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

```
.border{ border-color:rgb(156, 170, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 170, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(156, 170,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8509, 37.3237, 25.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 170, 126) }
```

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

```
.background{ background-color: rgb(156,  
170, 126) }
```

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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