

Converting Colors

XYZ(31.6634, 38.8191, 19.3667)

Have a look what the booklet for
XYZ(31.6634, 38.8191, 19.3667)
contains.

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Color

**XYZ(31.6418, 38.7685,
19.4510)**

Conversions

Conversions Part 1

Format	Color
Hex	9CAF6A
RGB	156, 175, 106
RGB Percent	61%, 69%, 42%
CMY	0.3882, 0.3137, 0.5843
CMYK	0.11, 0.00, 0.39, 0.31
HSL	77°, 30%, 55%
HSV	77°, 39%, 69%
XYZ	31.6418, 38.7685, 19.4510
YIQ	161.4530, 10.8250, -25.4870

Conversions

Conversions Part 2

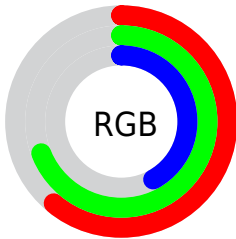
Format	Color
RYB	106, 175, 125
Decimal	10268522
CIELab	68.58, -18.05, 33.19
CIELCh	69, 37.784, 118.537
Yxy	38.7685, 0.3521, 0.4314
Android (android.graphics.Color)	4288458602 (0xFF9CAF6A)
YUV	161.4530, -27.3383, -4.7823
Hunter-Lab	62.2644, -18.2516, 25.0632

Details

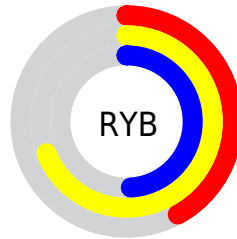
The XYZ color **31.6418, 38.7685, 19.4510** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.3509, 17.7642, 42.8632**, and the grayscale version is **34.2079, 35.9894, 39.1924**.

A 20% lighter version of the original color is **61.6114, 73.4693, 43.2815**, and **13.5304, 17.4044, 6.5171** is the 20% darker color. If you saturate the color by 10%, you get **29.9091, 37.9711, 15.0946**, and if you desaturate by 10%, it is **33.5992, 39.6627, 24.7890**.

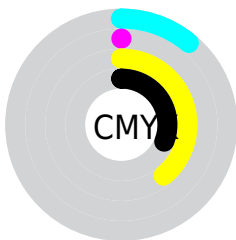
Distribution



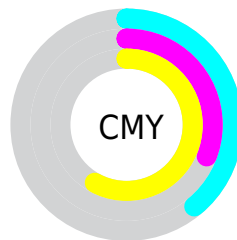
- Red (61%)
- Green (69%)
- Blue (42%)



- Red (42%)
- Yellow (69%)
- Blue (49%)



- Cyan (11%)
- Magenta (0%)
- Yellow (39%)
- Black (31%)



- Cyan (39%)
- Magenta (31%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6418, 38.7685, 19.4510 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 31.6418, 38.7685, 19.4510 by changing the saturation by 10% instead.

■ 31.6418, 38.7685,
19.4510

■ 31.6418, 38.7685,
19.4510

301.2586,
340.9052, 261.4325

■ 21.2423, 26.5797,
11.8165

■ 61.6181, 73.2845,
43.3416

■ 13.4147, 17.2578,
6.4978

■ 81.9256, 96.3805,
60.4348

■ 7.7937, 10.4185,
3.0765

■ 106.2665,
123.8811, 81.5180

■ 4.0139, 5.6773,
1.1338

■ 135.0060,
156.1705, 107.0097

■ 1.7100, 2.6499,
0.0000

168.5097,
193.6332, 137.3285

■ 0.4625, 0.9518,
0.0000

207.1428,

■ 0.0000, 0.0000,

236.6537, 172.8928

0.0000

251.2706,
285.6162, 214.1213

■ 31.6418, 38.7685,
19.4510

■ 31.6418, 38.7685,
19.4510

■ 29.9091, 37.9711,
15.0946

■ 33.5992, 39.6627,
24.7890

■ 28.3864, 37.2607,
11.6573

■ 35.7892, 40.6529,
31.1609

■ 27.0617, 36.6335,
9.0735


■ 38.2229, 41.7450,
38.6183


■ 25.9201, 36.0838,
7.2678


■ 40.9097, 42.9427,
47.2088

■ 24.9444, 35.6045,
6.1516


■ 43.8584, 44.2497,
56.9768


 24.1008, 35.1821,
5.5493

 47.0774, 45.6693,
67.9648

 24.0543, 35.1588,
5.5185

 50.5747, 47.2048,
80.2127

 54.3581, 48.8592,
93.7589

 57.0347, 50.0757,
101.2673

Harmonies

Analogous

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



37.1416, 38.7685, 17.1745



31.6418, 38.7685, 19.4510



27.9146, 38.7685, 27.2983

Triad

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



31.6418, 38.7685, 19.4510



31.1862, 38.7685, 76.8393



49.5285, 38.7685, 43.0558

Complementary

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



31.6418, 38.7685, 19.4510



21.3509, 17.7642, 42.8632

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.



47.5097, 38.7685, 61.7582



31.6418, 38.7685, 19.4510



36.5565, 38.7685, 84.2408

Square

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



31.6418, 38.7685, 19.4510



27.6722, 38.7685, 59.9066



42.5967, 38.7685, 78.0953



47.8571, 38.7685, 28.3981

Rectangle

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



31.6418, 38.7685, 19.4510



26.7222, 38.7685, 36.0215



42.5967, 38.7685, 78.0953



49.2552, 38.7685, 49.0746

Sweetspot

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



31.6428, 38.7702, 19.4518



67.1964, 74.1976, 65.2497



27.5400, 24.6715, 16.9467



14.8103, 16.4353, 14.1173



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.6428, 38.7702, 19.4518



54.0390, 68.2215, 28.1796



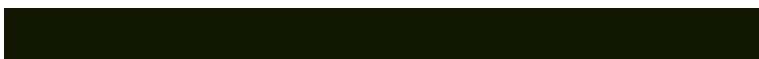
25.9730, 35.8473, 19.1865



8.4443, 9.2177, 8.5475



17.2867, 25.2087, 3.9547



0.5300, 0.7266, 0.1123

Inverse Universe

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



21.3509, 17.7642, 42.8632



33.1242, 25.4964, 75.8123



27.1715, 20.7649, 43.1356



7.7782, 7.8600, 10.0599



6.4733, 2.6970, 29.2239



0.2333, 0.1024, 0.8155

Previews

White Background



This preview shows how the XYZ color 31.6418, 38.7685, 19.4510 looks on a white background.

Color Contrast Check

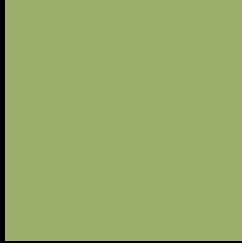
Large Text (above 18pt) WCAG AA × Fail

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 31.6418, 38.7685, 19.4510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

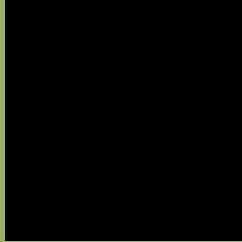
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6418, 38.7685, 19.4510

Background



This preview shows how black text looks on a background with the XYZ color 31.6418, 38.7685, 19.4510.



This preview shows how white text looks on a background with the XYZ color 31.6418, 38.7685,

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

31.6418, 38.7685, 19.4510

Protanopia

35.5583, 38.5618, 18.4010

Deuteranopia

39.4185, 38.6632, 19.8532



Tritanopia

37.4988, 38.6341, 48.1286

Trichromacy



Original Color

31.6418, 38.7685, 19.4510

Protanomaly

34.1070, 38.6332, 18.7560

Deuteranomaly

36.1695, 38.3073, 19.6751

Tritanomaly

34.7558, 38.3243, 35.2713

Monochromacy



Original Color

31.6418, 38.7685, 19.4510

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7420, 36.5665, 30.5316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6418, 38.7685, 19.4510 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, 175, 106)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 106)  
}
```

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, 175, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 106) }
```

Border

The CSS property to change the border of an element to XYZ 31.6418, 38.7685, 19.4510 is called "border". The border property can be set on classes, ids or directly on the HTML element.

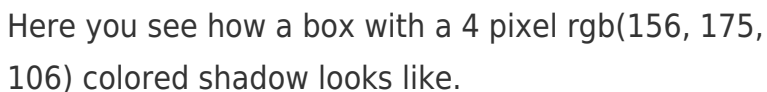
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 175, 106) }
```


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

```
.border{ border-color:rgb(156, 175, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 175, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 175, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 175, 106); box-shadow:4px 4px 4px 4px rgb(156, 175, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6418, 38.7685, 19.4510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 106) }
```

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

```
.background{ background-color: rgb(156,  
175, 106) }
```

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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