

Converting Colors

XYZ(31.4029, 37.5164, 26.5232)

Have a look what the booklet for
XYZ(31.4029, 37.5164, 26.5232)
contains.

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Color

**XYZ(31.4775, 37.6693,
26.3807)**

Conversions

Conversions Part 1

Format	Color
Hex	97AC81
RGB	151, 172, 129
RGB Percent	59%, 67%, 51%
CMY	0.4078, 0.3255, 0.4941
CMYK	0.12, 0.00, 0.25, 0.33
HSL	89°, 21%, 59%
HSV	89°, 25%, 67%
XYZ	31.4775, 37.6693, 26.3807
YIQ	160.8190, 1.2870, -17.8250

Conversions

Conversions Part 2

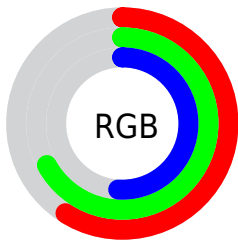
Format	Color
RYB	129, 172, 150
Decimal	9940097
CIELab	67.78, -15.17, 19.76
CIELCh	68, 24.912, 127.519
Yxy	37.6693, 0.3295, 0.3943
Android (android.graphics.Color)	4288130177 (0xFF97AC81)
YUV	160.8190, -15.6868, -8.6113
Hunter-Lab	61.3753, -15.8597, 17.4783

Details

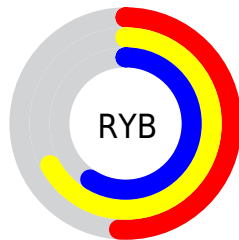
The XYZ color **31.4775, 37.6693, 26.3807** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.8757, 25.1641, 42.4196**, and the grayscale version is **33.8632, 35.6267, 38.7975**.

A 20% lighter version of the original color is **61.3662, 71.4374, 54.8104**, and **13.3833, 16.7068, 9.9165** is the 20% darker color. If you saturate the color by 10%, you get **28.9254, 36.4760, 20.7873**, and if you desaturate by 10%, it is **34.3352, 39.0002, 32.9947**.

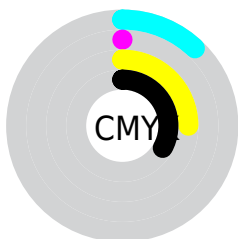
Distribution



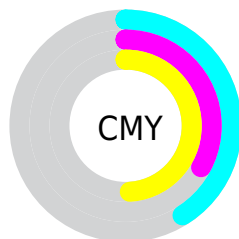
- Red (59%)
- Green (67%)
- Blue (51%)



- Red (51%)
- Yellow (67%)
- Blue (59%)



- Cyan (12%)
- Magenta (0%)
- Yellow (25%)
- Black (33%)



- Cyan (41%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4775, 37.6693, 26.3807 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 31.4775, 37.6693, 26.3807 by changing the saturation by 10% instead.

■ 31.4775, 37.6693,
26.3807

■ 31.4775, 37.6693,
26.3807

300.5199,
336.1992, 298.3107

■ 21.1163, 25.7261,
16.8803

■ 61.3618, 71.6010,
54.8801

■ 13.3220, 16.6189,
9.9882

■ 81.6157, 94.3583,
74.7162

■ 7.7292, 9.9631,
5.2856

■ 105.8978,
121.4891, 98.8346

■ 3.9725, 5.3745,
2.3541

134.5735,
153.3777, 127.6539

■ 1.6866, 2.4686,
0.7613

168.0083,
190.4087, 161.5926

■ 0.4478, 0.8609,
0.0000

206.5673,

■ 0.0000, 0.0000,

232.9663, 201.0693

0.0000

250.6161,
281.4350, 246.5025

■ 31.4775, 37.6693,
26.3807

■ 31.4775, 37.6693,
26.3807

■ 28.9254, 36.4760,
20.7873

■ 34.3352, 39.0002,
32.9947

■ 26.6640, 35.4102,
16.1611

■ 37.5067, 40.4685,
40.6740

■ 24.6815, 34.4683,
12.4477

■ 41.0036, 42.0803,
49.4638

■ 22.9638, 33.6444,
9.5864

■ 44.8359, 43.8398,
59.4059

■ 21.4955, 32.9319,
7.5090

■ 49.0131, 45.7512,
70.5399

■ 20.2591, 32.3236,
6.1369

■ 53.5445, 47.8182,
82.9035

■ 19.2335, 31.8107,
5.3733

■ 58.4387, 50.0447,
96.5329

■ 18.7773, 31.5810,
5.1061

■ 61.7790, 51.6640,
101.3238

■ 64.3586, 52.9939,
101.4445

Harmonies

Analogous

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



34.8426, 37.6693, 23.3683



31.4775, 37.6693, 26.3807



29.3837, 37.6693, 33.4240

Triad

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



31.4775, 37.6693, 26.3807



33.0442, 37.6693, 63.9161



43.6639, 37.6693, 38.3006

Complementary

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



31.4775, 37.6693, 26.3807



27.8757, 25.1641, 42.4196

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.



43.0964, 37.6693, 49.6772



31.4775, 37.6693, 26.3807



36.7820, 37.6693, 65.8578

Square

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



31.4775, 37.6693, 26.3807



30.2419, 37.6693, 55.3455



40.5088, 37.6693, 60.2555



42.0084, 37.6693, 29.4007

Rectangle

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



31.4775, 37.6693, 26.3807



28.8988, 37.6693, 40.1037



40.5088, 37.6693, 60.2555



43.7288, 37.6693, 41.9409

Sweetspot

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



31.4785, 37.6709, 26.3815



66.1687, 72.5476, 69.1939



31.8489, 32.1006, 25.2868



14.1940, 15.6802, 14.5853



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.



31.4785, 37.6709, 26.3815



54.4728, 67.1075, 42.0161



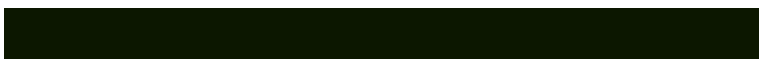
27.8786, 35.8151, 26.2130



8.2805, 9.1332, 8.5398



14.0363, 23.5331, 3.8025



0.4534, 0.6871, 0.1087

Inverse Universe

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



27.8757, 25.1641, 42.4196



46.8046, 40.4866, 76.1536



32.1544, 27.3698, 42.6199



7.9373, 7.9420, 10.0673



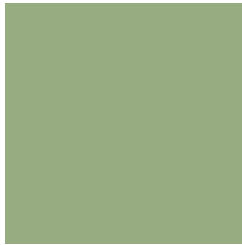
8.3256, 3.6519, 29.3106



0.2949, 0.1342, 0.8184

Previews

White Background



This preview shows how the XYZ color 31.4775, 37.6693, 26.3807 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 31.4775, 37.6693, 26.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

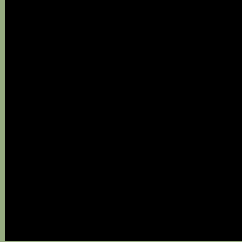
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4775, 37.6693, 26.3807

Background



This preview shows how black text looks on a background with the XYZ color 31.4775, 37.6693, 26.3807.



This preview shows how white text looks on a background with the XYZ color 31.4775, 37.6693,

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

31.4775, 37.6693, 26.3807

Protanopia

35.1255, 37.6467, 25.1539

Deuteranopia

38.1299, 37.3261, 27.0248



Tritanopia

35.6924, 37.4340, 47.9921

Trichromacy



Original Color

31.4775, 37.6693, 26.3807

Protanomaly

33.7697, 37.7531, 25.5859

Deuteranomaly

35.3254, 37.1802, 26.7874

Tritanomaly

33.9532, 37.5470, 39.1760

Monochromacy



Original Color

31.4775, 37.6693, 26.3807

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7846, 36.2483, 33.7025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4775, 37.6693, 26.3807 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(151, 172, 129)` looks like.

```
.text, #text, p{  
    color:rgb(151, 172, 129)  
}
```

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(151, 172, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 172, 129) }
```

Border

The CSS property to change the border of an element to XYZ 31.4775, 37.6693, 26.3807 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(151, 172, 129) }
```


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

```
.border{ border-color:rgb(151, 172, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 172, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 172, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 172, 129);  
box-shadow:4px 4px 4px 4px rgb(151, 172,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4775, 37.6693, 26.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 172, 129) }
```

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

```
.background{ background-color: rgb(151,  
172, 129) }
```

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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