

Converting Colors

XYZ(29.9002, 36.9093, 18.0068)

Have a look what the booklet for
XYZ(29.9002, 36.9093, 18.0068)
contains.

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Color

**XYZ(30.0997, 37.1398,
18.1526)**

Conversions

Conversions Part 1

Format	Color
Hex	98AC66
RGB	152, 172, 102
RGB Percent	60%, 67%, 40%
CMY	0.4039, 0.3255, 0.6000
CMYK	0.12, 0.00, 0.41, 0.33
HSL	77°, 30%, 54%
HSV	77°, 41%, 67%
XYZ	30.0997, 37.1398, 18.1526
YIQ	158.0400, 10.5500, -26.0100

Conversions

Conversions Part 2

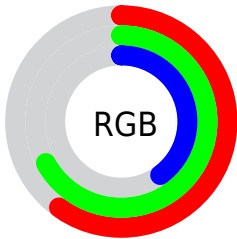
Format	Color
RYB	102, 172, 122
Decimal	10005606
CIELab	67.38, -18.60, 33.69
CIElCh	67, 38.478, 118.899
Yxy	37.1398, 0.3525, 0.4349
Android (android.graphics.Color)	4288195686 (0xFF98AC66)
YUV	158.0400, -27.6277, -5.2971
Hunter-Lab	60.9424, -18.4874, 24.9993

Details

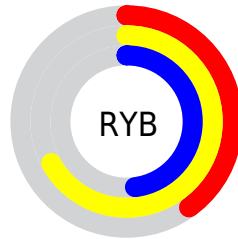
The XYZ color **30.0997, 37.1398, 18.1526** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.2253, 16.6198, 41.1739**, and the grayscale version is **32.6364, 34.3361, 37.3920**.

A 20% lighter version of the original color is **59.0339, 70.5367, 41.0754**, and **12.6146, 16.3993, 5.8687** is the 20% darker color. If you saturate the color by 10%, you get **28.4330, 36.3703, 14.0746**, and if you desaturate by 10%, it is **31.9834, 38.0031, 23.1661**.

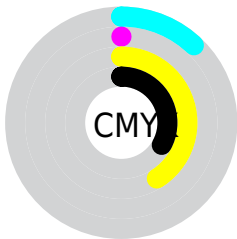
Distribution



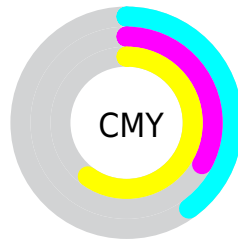
- Red (60%)
- Green (67%)
- Blue (40%)



- Red (40%)
- Yellow (67%)
- Blue (48%)



- Cyan (12%)
- Magenta (0%)
- Yellow (41%)
- Black (33%)





- Cyan (40%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0997, 37.1398, 18.1526 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 30.0997, 37.1398, 18.1526 by changing the saturation by 10% instead.


 30.0997, 37.1398,
18.1526


 30.0997, 37.1398,
18.1526


294.2704,
333.9154, 253.9947


 20.0627, 25.3158,
10.8890


 59.2054, 70.7877,
41.1146


 12.5492, 16.3125,
5.8790

 79.0048, 93.3804,
57.6502

 7.1937, 9.7455,
2.7041


 102.7890,
120.3315, 78.1134

 3.6309, 5.2306,
0.9455

 130.9234,
152.0252, 102.9230

 1.4955, 2.3832,
0.0000

163.7734,
188.8461, 132.4973

 0.3228, 0.8172,
0.0000

201.7044,

 0.0000, 0.0000,

231.1785, 167.2550

0.0000

245.0816,
279.4068, 207.6147

■ 30.0997, 37.1398,
18.1526

■ 30.0997, 37.1398,
18.1526

■ 28.4330, 36.3703,
14.0746

■ 31.9834, 38.0031,
23.1661

■ 26.9690, 35.6850,
10.8717

■ 34.0919, 38.9594,
29.1660

■ 25.6960, 35.0803,
8.4800

■ 36.4358, 40.0144,
36.2020

■ 24.5995, 34.5505,
6.8260

■ 39.0243, 41.1719,
44.3201

■ 23.6625, 34.0887,
5.8228

■ 41.8660, 42.4352,
53.5634

■ 22.9005, 33.7067,
5.2991

■ 44.9691, 43.8077,
63.9727

■ 48.3412, 45.2925,
75.5866

■ 51.9900, 46.8927,
88.4420

■ 55.6302, 48.4944,
101.0361

Harmonies

Analogous

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



35.5186, 37.1398, 15.8870



30.0997, 37.1398, 18.1526



26.4550, 37.1398, 25.8783

Triad

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



30.0997, 37.1398, 18.1526



29.7616, 37.1398, 75.1007



47.8926, 37.1398, 41.0661

Complementary

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



30.0997, 37.1398, 18.1526



20.2253, 16.6198, 41.1739

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.



45.9255, 37.1398, 59.6374



30.0997, 37.1398, 18.1526



35.0828, 37.1398, 82.3660

Square

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



30.0997, 37.1398, 18.1526



26.2756, 37.1398, 58.2480



41.0678, 37.1398, 76.0474



46.1856, 37.1398, 26.6892

Rectangle

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



30.0997, 37.1398, 18.1526



25.3025, 37.1398, 34.5037



41.0678, 37.1398, 76.0474



47.6357, 37.1398, 47.0186

Sweetspot

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



30.1006, 37.1415, 18.1534



65.4231, 72.2860, 63.6118



26.3520, 23.6093, 15.7390



14.0996, 15.6562, 13.4643



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.



30.1006, 37.1415, 18.1534



51.8127, 66.0862, 26.0775



24.5106, 34.2597, 17.8918



8.4363, 9.2135, 8.5471



17.0968, 25.1108, 3.9458



0.5258, 0.7244, 0.1121

Inverse Universe

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



20.2253, 16.6198, 41.1739



31.4066, 23.6373, 73.7129



26.0712, 19.6336, 41.4475



7.7859, 7.8639, 10.0602



6.5373, 2.7300, 29.2269



0.2362, 0.1040, 0.8156

Previews

White Background



This preview shows how the XYZ color 30.0997, 37.1398, 18.1526 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 30.0997, 37.1398, 18.1526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

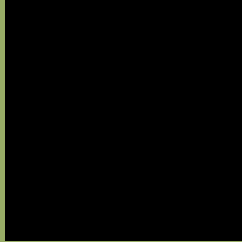
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0997, 37.1398, 18.1526

Background



This preview shows how black text looks on a background with the XYZ color 30.0997, 37.1398, 18.1526.



This preview shows how white text looks on a background with the XYZ color 30.0997, 37.1398,

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

30.0997, 37.1398, 18.1526

Protanopia

34.1180, 37.0355, 17.1547

Deuteranopia

37.6844, 37.0249, 18.7960



Tritanopia

35.8340, 37.0104, 46.3294

Trichromacy



Original Color

30.0997, 37.1398, 18.1526

Protanomaly

32.4812, 36.9925, 17.4849

Deuteranomaly

34.5262, 36.6843, 18.6257

Tritanomaly

33.1616, 36.7115, 33.7720

Monochromacy



Original Color

30.0997, 37.1398, 18.1526

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3949, 35.0973, 29.1645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0997, 37.1398, 18.1526 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(152, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(152, 172, 102)  
}
```

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(152, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 172, 102) }
```

Border

The CSS property to change the border of an element to XYZ 30.0997, 37.1398, 18.1526 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(152, 172, 102) }
```


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

```
.border{ border-color:rgb(152, 172, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 172, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(152, 172,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0997, 37.1398, 18.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 172, 102) }
```

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

```
.background{ background-color: rgb(152,  
172, 102) }
```

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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