

Converting Colors

XYZ(30.0398, 31.8475, 13.2421)

Have a look what the booklet for
XYZ(30.0398, 31.8475, 13.2421)
contains.

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Color

**XYZ(30.1015, 31.9966,
13.1838)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9855
RGB	173, 152, 85
RGB Percent	68%, 60%, 33%
CMY	0.3216, 0.4039, 0.6667
CMYK	0.00, 0.12, 0.51, 0.32
HSL	46°, 35%, 51%
HSV	46°, 51%, 68%
XYZ	30.1015, 31.9966, 13.1838
YIQ	150.6410, 34.0230, -16.3850

Conversions

Conversions Part 2

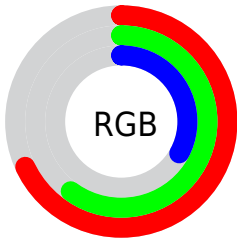
Format	Color
RYB	113, 173, 85
Decimal	11376725
CIELab	63.34, -1.17, 37.85
CIELCh	63, 37.867, 91.766
Yxy	31.9966, 0.3999, 0.4250
Android (android.graphics.Color)	4289566805 (0xFFAD9855)
YUV	150.6410, -32.3610, 19.6088
Hunter-Lab	56.5655, -4.0004, 25.7771

Details

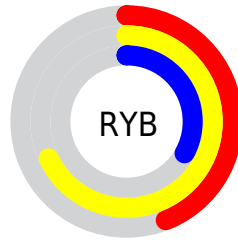
The XYZ color **30.1015, 31.9966, 13.1838** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.4430, 15.2560, 41.6130**, and the grayscale version is **29.3863, 30.9167, 33.6683**.

A 20% lighter version of the original color is **59.1484, 62.7432, 32.2857**, and **12.4588, 13.2925, 3.6593** is the 20% darker color. If you saturate the color by 10%, you get **28.8385, 30.4392, 9.7767**, and if you desaturate by 10%, it is **31.5574, 33.6708, 17.4849**.

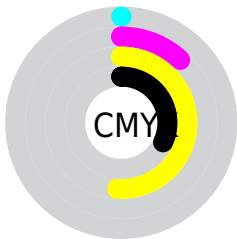
Distribution



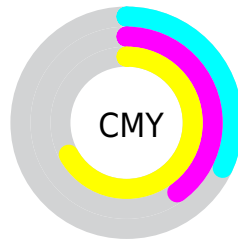
- Red (68%)
- Green (60%)
- Blue (33%)



- Red (44%)
- Yellow (68%)
- Blue (33%)



- Cyan (0%)
- Magenta (12%)
- Yellow (51%)
- Black (32%)





- Cyan (32%)
- Magenta (40%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1015, 31.9966, 13.1838 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 30.1015, 31.9966, 13.1838 by changing the saturation by 10% instead.


 30.1015, 31.9966,
13.1838


 30.1015, 31.9966,
13.1838


294.2786,
311.1038, 223.3413

 20.0641, 21.3589,
7.4230


 59.2082, 62.8058,
32.3296

 12.5502, 13.3866,
3.6456


 79.0082, 83.7460,
46.5517


 7.1944, 7.6953,
1.4330


 102.7931,
108.8892, 64.4314

 3.6314, 3.9006,
0.1673

 130.9282,
138.6198, 86.3871

 1.4958, 1.6181,
0.0000

 163.7790,
173.3222, 112.8374

 0.3230, 0.3698,
0.0000

201.7108,

 0.0000, 0.0000,

213.3807, 144.2008

0.0000

245.0889,
259.1798, 180.8960

■ 30.1015, 31.9966,
13.1838

■ 30.1015, 31.9966,
13.1838

■ 28.8385, 30.4392,
9.7767

■ 31.5574, 33.6708,
17.4849

■ 27.7533, 28.9887,
7.1959

■ 33.2154, 35.4624,
22.7372

■ 26.8324, 27.6405,
5.3673

■ 35.0867, 37.3773,
28.9953

■ 26.0587, 26.3873,
4.2023

■ 37.1809, 39.4197,
36.3092

■ 25.4474, 25.3121,
3.5445

■ 39.5072, 41.5938,
44.7255

■ 42.0740, 43.9031,
54.2880

■ 44.8894, 46.3514,
65.0382

■ 47.9612, 48.9419,
77.0153

■ 51.2965, 51.6780,
90.2569

Harmonies

Analogous

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



35.4456, 31.9966, 15.0601



30.1015, 31.9966, 13.1838



25.3974, 31.9966, 15.5757

Triad

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



30.1015, 31.9966, 13.1838



22.6060, 31.9966, 52.3979



40.2087, 31.9966, 50.3965

Complementary

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



30.1015, 31.9966, 13.1838



16.4430, 15.2560, 41.6130

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.



36.0463, 31.9966, 65.6806



30.1015, 31.9966, 13.1838



25.8787, 31.9966, 67.0509

Square

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



30.1015, 31.9966, 13.1838



21.3906, 31.9966, 35.7382



30.7242, 31.9966, 72.4967



41.6681, 31.9966, 33.9547

Rectangle

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



30.1015, 31.9966, 13.1838



23.1467, 31.9966, 19.8258



30.7242, 31.9966, 72.4967



39.0573, 31.9966, 55.9868

Sweetspot

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



30.1023, 31.9981, 13.1844



64.8905, 68.9626, 59.0313



23.1361, 16.4431, 15.8647



13.9371, 14.8258, 12.2532



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.



30.1023, 31.9981, 13.1844



51.3990, 54.1937, 16.8792



29.3458, 37.1222, 14.2134



8.4983, 9.0014, 8.5029



18.7407, 18.6870, 2.6192



0.5601, 0.5973, 0.0858

Inverse Universe

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



16.4430, 15.2560, 41.6130



24.2252, 20.9297, 73.5688



16.8550, 12.6403, 41.0864



7.7283, 8.0560, 10.1003



6.1690, 3.4719, 29.3895



0.2136, 0.1805, 0.8316

Previews

White Background



This preview shows how the XYZ color 30.1015, 31.9966, 13.1838 looks on a white background.

Color Contrast Check

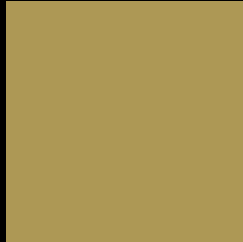
Large Text (above 18pt) WCAG AA × Fail

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 30.1015, 31.9966, 13.1838 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 30.1015, 31.9966, 13.1838

Background



This preview shows how black text looks on a background with the XYZ color 30.1015, 31.9966, 13.1838.



This preview shows how white text looks on a background with the XYZ color 30.1015, 31.9966,

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

30.1015, 31.9966, 13.1838

Protanopia

29.5975, 32.2181, 13.4629

Deuteranopia

32.4521, 31.7944, 13.2306



Tritanopia

34.7120, 32.0164, 35.3606

Trichromacy



Original Color

30.1015, 31.9966, 13.1838

Protanomaly

29.6485, 32.0004, 13.4181

Deuteranomaly

31.5610, 31.7968, 13.2780

Tritanomaly

32.5944, 31.8263, 25.5443

Monochromacy



Original Color

30.1015, 31.9966, 13.1838

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1954, 31.0365, 24.5305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1015, 31.9966, 13.1838 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(173, 152, 85)` looks like.

```
.text, #text, p{  
    color:rgb(173, 152, 85)  
}
```

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(173, 152, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 152, 85) }
```

Border

The CSS property to change the border of an element to XYZ 30.1015, 31.9966, 13.1838 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(173, 152, 85) }
```


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

```
.border{ border-color:rgb(173, 152, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 152, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 152, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 152, 85);  
box-shadow:4px 4px 4px 4px rgb(173, 152,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1015, 31.9966, 13.1838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 152, 85) }
```

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

```
.background{ background-color: rgb(173,  
152, 85) }
```

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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