

Converting Colors

XYZ(31.6524, 36.9955, 14.2418)

Have a look what the booklet for
XYZ(31.6524, 36.9955, 14.2418)
contains.

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Color

**XYZ(31.6187, 36.8926,
14.2586)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A856
RGB	167, 168, 86
RGB Percent	65%, 66%, 34%
CMY	0.3451, 0.3412, 0.6627
CMYK	0.01, 0.00, 0.49, 0.34
HSL	61°, 32%, 50%
HSV	61°, 49%, 66%
XYZ	31.6187, 36.8926, 14.2586
YIQ	158.3530, 25.7260, -25.7140

Conversions

Conversions Part 2

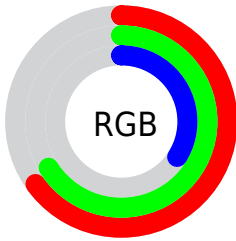
Format	Color
RYB	86, 168, 87
Decimal	10987606
CIELab	67.20, -12.16, 41.88
CIELCh	67, 43.608, 106.187
Yxy	36.8926, 0.3820, 0.4457
Android (android.graphics.Color)	4289177686 (0xFFA7A856)
YUV	158.3530, -35.6700, 7.5834
Hunter-Lab	60.7393, -13.3730, 28.5991

Details

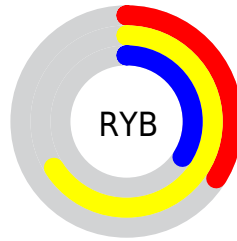
The XYZ color **31.6187, 36.8926, 14.2586** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.3274, 11.5098, 38.5144**, and the grayscale version is **32.8094, 34.5181, 37.5902**.

A 20% lighter version of the original color is **61.7156, 70.4576, 34.3917**, and **13.3739, 16.1289, 4.0774** is the 20% darker color. If you saturate the color by 10%, you get **30.9768, 36.6322, 11.1012**, and if you desaturate by 10%, it is **32.4216, 37.2201, 18.2555**.

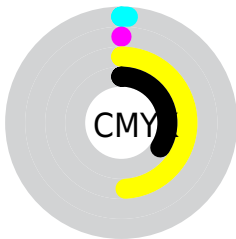
Distribution



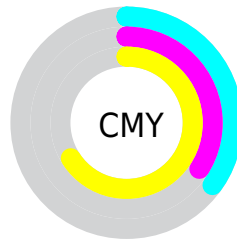
- Red (65%)
- Green (66%)
- Blue (34%)



- Red (34%)
- Yellow (66%)
- Blue (34%)



- Cyan (1%)
- Magenta (0%)
- Yellow (49%)
- Black (34%)





- Cyan (35%)
- Magenta (34%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6187, 36.8926, 14.2586 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 31.6187, 36.8926, 14.2586 by changing the saturation by 10% instead.


 31.6187, 36.8926,
14.2586


 31.6187, 36.8926,
14.2586


301.1549,
332.8453, 230.3178

 21.2246, 25.1243,
8.1599


 61.5821, 70.4076,
34.2709

 13.4016, 16.1697,
4.1082


 81.8820, 92.9231,
49.0216


 7.7846, 9.6443,
1.6849


 106.2147,
119.7898, 67.4934

 4.0081, 5.1638,
0.3504

 134.9453,
151.3921, 90.1048

 1.7067, 2.3437,
0.0000

 168.4392,
188.1144, 117.2745

 0.4605, 0.7967,
0.0000

207.0619,

 0.0000, 0.0000,

230.3411, 149.4208

0.0000

251.1787,
278.4566, 186.9624

■ 31.6187, 36.8926,
14.2586

■ 31.6187, 36.8926,
14.2586

■ 30.9768, 36.6322,
11.1012

■ 32.4216, 37.2201,
18.2555

■ 30.4819, 36.4292,
8.7214

■ 33.3930, 37.6137,
23.1435

■ 30.1220, 36.2802,
7.0525


■ 34.5432, 38.0788,
28.9726


■ 29.8823, 36.1793,
6.0155


■ 35.8809, 38.6190,
35.7885


■ 29.7342, 36.1151,
5.4612


■ 37.4142, 39.2373,
43.6341

 29.7181, 36.1081,
5.4032

 39.1507, 39.9370,
52.5494

 41.0976, 40.7209,
62.5727

 43.2619, 41.5917,
73.7401

 45.6501, 42.5520,
86.0862

Harmonies

Analogous

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



38.2090, 36.8926, 14.0626



31.6187, 36.8926, 14.2586



26.6207, 36.8926, 19.7701

Triad

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



31.6187, 36.8926, 14.2586



26.9338, 36.8926, 72.8300



49.0122, 36.8926, 49.5670

Complementary

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



31.6187, 36.8926, 14.2586



14.3274, 11.5098, 38.5144

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.



45.1299, 36.8926, 71.2458



31.6187, 36.8926, 14.2586



32.0989, 36.8926, 87.2826

Square

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



31.6187, 36.8926, 14.2586



24.1590, 36.8926, 51.2729



38.7537, 36.8926, 86.6252



48.8410, 36.8926, 30.7977

Rectangle

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



31.6187, 36.8926, 14.2586



24.6158, 36.8926, 27.1192



38.7537, 36.8926, 86.6252



48.1188, 36.8926, 56.8516

Sweetspot

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



31.6196, 36.8943, 14.2594



63.4984, 69.4262, 56.7343



21.1572, 15.6532, 10.7108



13.7370, 15.0903, 11.8422



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.6196, 36.8943, 14.2594



56.0799, 66.4180, 19.5177



24.4361, 33.1911, 13.9232



8.1376, 8.7691, 8.0530



22.4440, 27.2675, 4.0802



0.5488, 0.6648, 0.0994

Inverse Universe

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



14.3274, 11.5098, 38.5144



20.8382, 14.6775, 68.9598



19.1492, 13.9955, 38.7401



7.1400, 7.3048, 9.4520



5.3601, 2.1466, 28.1073



0.1330, 0.0536, 0.6840

Previews

White Background



This preview shows how the XYZ color 31.6187, 36.8926, 14.2586 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 31.6187, 36.8926, 14.2586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

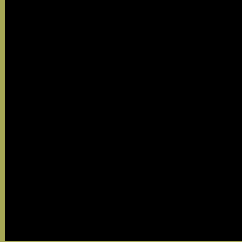
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6187, 36.8926, 14.2586

Background



This preview shows how black text looks on a background with the XYZ color 31.6187, 36.8926, 14.2586.



This preview shows how white text looks on a background with the XYZ color 31.6187, 36.8926,

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

31.6187, 36.8926, 14.2586

Protanopia

33.7375, 36.9101, 13.9405

Deuteranopia

37.5111, 36.7776, 14.5729



Tritanopia

37.6533, 36.9667, 43.6788

Trichromacy



Original Color

31.6187, 36.8926, 14.2586

Protanomaly

32.7740, 36.6801, 13.9469

Deuteranomaly

35.0713, 36.5376, 14.4365

Tritanomaly

34.8875, 36.6183, 30.0402

Monochromacy



Original Color

31.6187, 36.8926, 14.2586

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.7831, 35.0837, 26.9265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6187, 36.8926, 14.2586 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(167, 168, 86)` looks like.

```
.text, #text, p{  
    color:rgb(167, 168, 86)  
}
```

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(167, 168, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 168, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.6187, 36.8926, 14.2586 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(167, 168, 86) }
```


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

```
.border{ border-color:rgb(167, 168, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 168, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 168, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 168, 86);  
box-shadow:4px 4px 4px 4px rgb(167, 168,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6187, 36.8926, 14.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 168, 86) }
```

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

```
.background{ background-color: rgb(167,  
168, 86) }
```

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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