

# Converting Colors

XYZ(31.0968, 34.4302, 13.9191)

Have a look what the booklet for  
XYZ(31.0968, 34.4302, 13.9191)  
contains.

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# Color

**XYZ(31.0857, 34.4877,  
14.0352)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABA057
RGB	171, 160, 87
RGB Percent	67%, 63%, 34%
CMY	0.3294, 0.3725, 0.6588
CMYK	0.00, 0.06, 0.49, 0.33
HSL	52°, 33%, 51%
HSV	52°, 49%, 67%
XYZ	31.0857, 34.4877, 14.0352
YIQ	154.9670, 29.9890, -20.3710

# Conversions

## Conversions Part 2

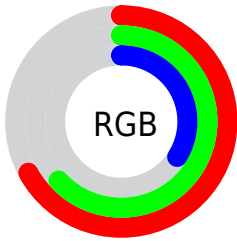
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 171, 87
Decimal	11247703
CIELab	65.35, -6.15, 39.23
CIELCh	65, 39.704, 98.906
Yxy	34.4877, 0.3905, 0.4332
Android (android.graphics.Color)	4289437783 (0xFFABA057)
YUV	154.9670, -33.5077, 14.0609
Hunter-Lab	58.7262, -8.2851, 26.9384

# Details

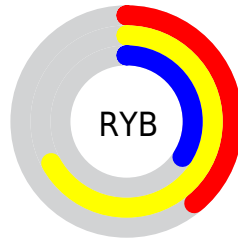
The XYZ color **31.0857, 34.4877, 14.0352** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.6487, 13.7014, 40.3478**, and the grayscale version is **31.2762, 32.9050, 35.8335**.

A 20% lighter version of the original color is **60.8828, 66.9298, 33.7546**, and **13.1546, 14.8591, 4.0085** is the 20% darker color. If you saturate the color by 10%, you get **30.0840, 33.4730, 10.6535**, and if you desaturate by 10%, it is **32.2616, 35.5858, 18.2922**.

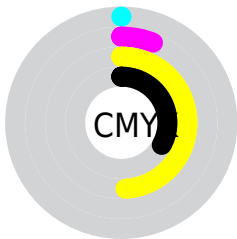
# Distribution



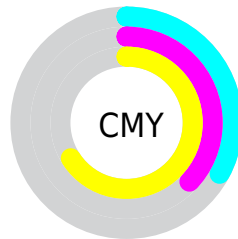
- Red (67%)
- Green (63%)
- Blue (34%)



- Red (39%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (6%)
- Yellow (49%)
- Black (33%)



- Cyan (33%)
- Magenta (37%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0857, 34.4877, 14.0352 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 31.0857, 34.4877, 14.0352 by changing the saturation by 10% instead.



■ 31.0857, 34.4877,  
14.0352

■ 31.0857, 34.4877,  
14.0352

298.7528,  
322.3013, 228.8857

■ 20.8163, 23.2685,  
8.0061

■ 60.7499, 66.6914,  
33.8695

■ 13.1015, 14.7919,  
4.0110

■ 80.8754, 88.4446,  
48.5118

■ 7.5759, 8.6735,  
1.6314

■ 105.0169,  
114.4781, 66.8622

■ 3.8743, 4.5288,  
0.3131

■ 133.5398,  
145.1760, 89.3394

■ 1.6313, 1.9736,  
0.0000

■ 166.8095,  
180.9229, 116.3618

■ 0.4127, 0.5920,  
0.0000

205.1913,

■ 0.0000, 0.0000,

222.1032, 148.3479

0.0000

249.0506,  
269.1012, 185.7164

■ 31.0857, 34.4877,  
14.0352

■ 31.0857, 34.4877,  
14.0352

■ 30.0840, 33.4730,  
10.6535

■ 32.2616, 35.5858,  
18.2922

■ 29.2420, 32.5320,  
8.0824

■ 33.6199, 36.7669,  
23.4789

■ 28.5472, 31.6609,  
6.2519


■ 35.1713, 38.0365,  
29.6476


■ 27.9836, 30.8533,  
5.0788


■ 36.9249, 39.3983,  
36.8461


■ 27.5207, 30.0970,  
4.4019


■ 38.8892, 40.8558,  
45.1192

 27.4814, 30.0316,  
4.3483

 41.0724, 42.4123,  
54.5090

 43.4819, 44.0709,  
65.0553

 46.1249, 45.8345,  
76.7960

 49.0085, 47.7059,  
89.7673

# Harmonies

## Analogous

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



36.9526, 34.4877, 14.9643



31.0857, 34.4877, 14.0352



26.2717, 34.4877, 17.8002

# Triad

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



31.0857, 34.4877, 14.0352



24.8555, 34.4877, 61.3516



44.3048, 34.4877, 50.2376

# Complementary

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



31.0857, 34.4877, 14.0352



15.6487, 13.7014, 40.3478

# 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.



40.2820, 34.4877, 68.2358



31.0857, 34.4877, 14.0352



28.9331, 34.4877, 75.8548

# Square

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



31.0857, 34.4877, 14.0352



22.9633, 34.4877, 42.7078



34.5338, 34.4877, 78.6898



45.0570, 34.4877, 32.8274



# Rectangle

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



31.0857, 34.4877, 14.0352



24.1389, 34.4877, 23.3721



34.5338, 34.4877, 78.6898



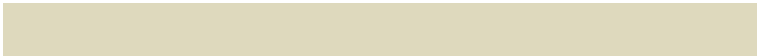
43.2693, 34.4877, 56.5460

# Sweetspot

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



31.0865, 34.4893, 14.0359



64.1576, 69.0423, 57.8462



22.4170, 16.3603, 13.5816



14.1677, 15.2870, 12.3301



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.



31.0865, 34.4893, 14.0359



53.7284, 59.7878, 18.5966



27.1323, 35.4068, 14.4214



8.5719, 9.1487, 8.5274



20.7443, 22.6941, 3.2871



0.6014, 0.6800, 0.0996



# Inverse Universe

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



15.6487, 13.7014, 40.3478



22.8472, 18.2324, 71.3169



18.2032, 13.5946, 40.1925



7.6603, 7.9200, 10.0777



5.7861, 2.7061, 29.2619



0.1868, 0.1269, 0.8226



# Previews

## White Background



This preview shows how the XYZ color 31.0857, 34.4877, 14.0352 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 31.0857, 34.4877, 14.0352 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 31.0857, 34.4877, 14.0352**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.0857, 34.4877, 14.0352.



This preview shows how white text looks on a background with the XYZ color 31.0857, 34.4877,



# 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

31.0857, 34.4877, 14.0352

### Protanopia

31.7976, 34.5984, 14.0191

### Deuteranopia

35.1179, 34.3238, 14.2254



## Tritanopia

36.2679, 34.3613, 39.3712

# Trichromacy



## Original Color

31.0857, 34.4877, 14.0352

## Protanomaly

31.5740, 34.4831, 14.0086

## Deuteranomaly

33.5668, 34.2549, 14.0752

## Tritanomaly

33.8333, 34.0906, 27.7186

# Monochromacy



## Original Color

31.0857, 34.4877, 14.0352

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

30.7842, 33.3027, 25.9247

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.0857, 34.4877, 14.0352 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(171, 160, 87)` looks like.

```
.text, #text, p{  
    color:rgb(171, 160, 87)  
}
```

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(171, 160, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 160, 87) }
```

## Border

The CSS property to change the border of an element to XYZ 31.0857, 34.4877, 14.0352 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(171, 160, 87) }
```



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

```
.border{ border-color:rgb(171, 160, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 160, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 160, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 160, 87);  
box-shadow:4px 4px 4px 4px rgb(171, 160,  
87) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.0857, 34.4877, 14.0352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 160, 87) }
```

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

```
.background{ background-color: rgb(171,  
160, 87) }
```

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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