

Converting Colors

XYZ(31.8646, 34.6829, 15.9299)

Have a look what the booklet for
XYZ(31.8646, 34.6829, 15.9299)
contains.

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Color

**XYZ(31.6973, 34.5067,
15.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	AD9F5F
RGB	173, 159, 95
RGB Percent	68%, 62%, 37%
CMY	0.3216, 0.3765, 0.6274
CMYK	0.00, 0.08, 0.45, 0.32
HSL	49°, 32%, 53%
HSV	49°, 45%, 68%
XYZ	31.6973, 34.5067, 15.8163
YIQ	155.8900, 28.8880, -16.9360

Conversions

Conversions Part 2

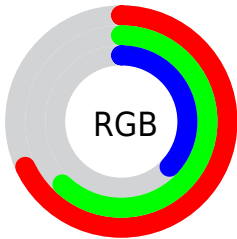
Format	Color
RYB	112, 173, 95
Decimal	11378527
CIELab	65.36, -3.97, 35.15
CIELCh	65, 35.369, 96.439
Yxy	34.5067, 0.3865, 0.4207
Android (android.graphics.Color)	4289568607 (0xFFAD9F5F)
YUV	155.8900, -30.0188, 15.0055
Hunter-Lab	58.7424, -6.4809, 25.1559

Details

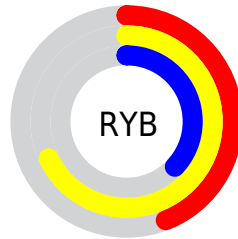
The XYZ color **31.6973, 34.5067, 15.8163** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.7307, 16.3869, 41.7637**, and the grayscale version is **31.6722, 33.3216, 36.2872**.

A 20% lighter version of the original color is **61.9462, 67.0227, 37.2755**, and **13.4834, 14.8523, 4.8455** is the 20% darker color. If you saturate the color by 10%, you get **30.4698, 33.1735, 11.9490**, and if you desaturate by 10%, it is **33.1146, 35.9398, 20.6093**.

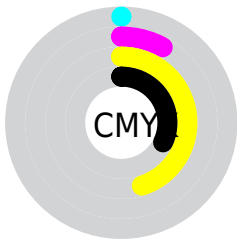
Distribution



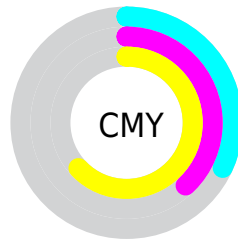
- Red (68%)
- Green (62%)
- Blue (37%)



- Red (44%)
- Yellow (68%)
- Blue (37%)



- Cyan (0%)
- Magenta (8%)
- Yellow (45%)
- Black (32%)



- Cyan (32%)
- Magenta (38%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6973, 34.5067, 15.8163 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 31.6973, 34.5067, 15.8163 by changing the saturation by 10% instead.

■ 31.6973, 34.5067,
15.8163

■ 31.6973, 34.5067,
15.8163

301.5079,
322.3855, 240.0639

■ 21.2848, 23.2831,
9.2413

■ 61.7047, 66.7209,
37.0413

■ 13.4460, 14.8027,
4.8000

■ 82.0302, 88.4802,
52.5285

■ 7.8155, 8.6810,
2.0737

■ 106.3909,
114.5203, 71.8234

■ 4.0279, 4.5337,
0.6000

■ 135.1520,
145.2256, 95.3447

■ 1.7179, 1.9764,
0.0000

168.6789,
180.9803, 123.5108

■ 0.4675, 0.5937,
0.0000

207.3369,

■ 0.0000, 0.0000,

222.1689, 156.7404

0.0000

251.4915,
269.1759, 195.4519

■ 31.6973, 34.5067,
15.8163

■ 31.6973, 34.5067,
15.8163

■ 30.4698, 33.1735,
11.9490

■ 33.1146, 35.9398,
20.6093

■ 29.4177, 31.9305,
8.9436

■ 34.7298, 37.4724,
26.3817

■ 28.5287, 30.7738,
6.7316

■ 36.5536, 39.1103,
33.1859

■ 27.7875, 29.6973,
5.2333

■ 38.5953, 40.8572,
41.0697

■ 27.1753, 28.6932,
4.3502

■ 40.8635, 42.7167,
50.0780

■ 26.9003, 28.2177,
4.0288

■ 43.3663, 44.6923,
60.2531

■ 46.1113, 46.7871,
71.6353

■ 49.1060, 49.0043,
84.2628

■ 52.3574, 51.3468,
98.1720

Harmonies

Analogous

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



36.9262, 34.5067, 17.0785



31.6973, 34.5067, 15.8163



27.2496, 34.5067, 19.0328

Triad

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



31.6973, 34.5067, 15.8163



25.4446, 34.5067, 57.1061



42.7603, 34.5067, 50.1153

Complementary

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



31.6973, 34.5067, 15.8163



17.7307, 16.3869, 41.7637

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.



39.0517, 34.5067, 65.3861



31.6973, 34.5067, 15.8163



28.9888, 34.5067, 70.1064

Square

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



31.6973, 34.5067, 15.8163



23.8922, 34.5067, 40.8499



33.9230, 34.5067, 73.4782



43.6794, 34.5067, 34.4742

Rectangle

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



31.6973, 34.5067, 15.8163



25.2041, 34.5067, 23.9491



33.9230, 34.5067, 73.4782



41.7810, 34.5067, 55.5745

Sweetspot

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



31.6981, 34.5083, 15.8170



65.7581, 70.3002, 60.5462



24.1026, 18.1796, 16.7919



14.1339, 15.1403, 12.5626



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.



31.6981, 34.5083, 15.8170



54.5990, 59.4449, 21.4873



29.2764, 37.0374, 16.4328



8.5386, 9.0821, 8.5163



19.8000, 20.8056, 2.9723



0.5822, 0.6416, 0.0932

Inverse Universe

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



17.7307, 16.3869, 41.7637



26.4576, 22.9593, 73.8429



19.3396, 15.1736, 41.4447



7.6908, 7.9810, 10.0878



5.9332, 3.0002, 29.3109



0.1989, 0.1511, 0.8267

Previews

White Background



This preview shows how the XYZ color 31.6973, 34.5067, 15.8163 looks on a white background.

Color Contrast Check

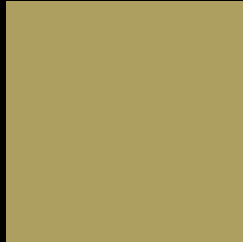
Large Text (above 18pt) WCAG AA × Fail

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 31.6973, 34.5067, 15.8163 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 31.6973, 34.5067, 15.8163

Background



This preview shows how black text looks on a background with the XYZ color 31.6973, 34.5067, 15.8163.



This preview shows how white text looks on a background with the XYZ color 31.6973, 34.5067,

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

31.6973, 34.5067, 15.8163

Protanopia

31.9193, 34.6212, 15.8267

Deuteranopia

35.1241, 34.5260, 16.1222



Tritanopia

36.4999, 34.4809, 39.3821

Trichromacy



Original Color

31.6973, 34.5067, 15.8163

Protanomaly

31.9193, 34.6212, 15.8267

Deuteranomaly

33.8402, 34.6015, 15.9615

Tritanomaly

34.2745, 34.2933, 28.8576

Monochromacy



Original Color

31.6973, 34.5067, 15.8163

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2603, 33.5166, 27.3760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6973, 34.5067, 15.8163 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, 159, 95)` looks like.

```
.text, #text, p{  
    color:rgb(173, 159, 95)  
}
```

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, 159, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 159, 95) }
```

Border

The CSS property to change the border of an element to XYZ 31.6973, 34.5067, 15.8163 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, 159, 95) }
```


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

```
.border{ border-color:rgb(173, 159, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 159, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 159, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 159, 95);  
box-shadow:4px 4px 4px 4px rgb(173, 159,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6973, 34.5067, 15.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 159, 95) }
```

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

```
.background{ background-color: rgb(173,  
159, 95) }
```

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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