

Converting Colors

XYZ(29.6628, 31.5088, 13.8455)

Have a look what the booklet for
XYZ(29.6628, 31.5088, 13.8455)
contains.

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Color

**XYZ(29.6226, 31.4957,
13.7505)**

Conversions

Conversions Part 1	
Format	Color
Hex	AB9758
RGB	171, 151, 88
RGB Percent	67%, 59%, 35%
CMY	0.3294, 0.4078, 0.6549
CMYK	0.00, 0.12, 0.49, 0.33
HSL	46°, 33%, 51%
HSV	46°, 49%, 67%
XYZ	29.6226, 31.4957, 13.7505
YIQ	149.7980, 32.1430, -15.3530

Conversions

Conversions Part 2

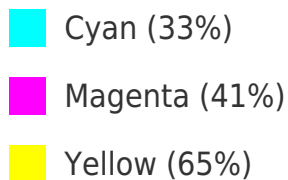
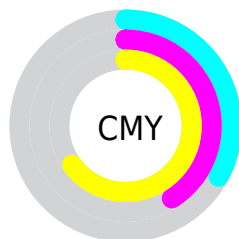
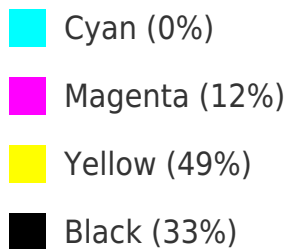
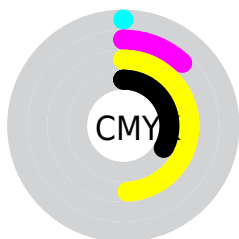
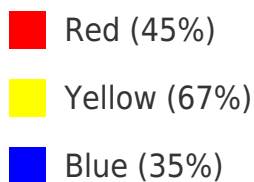
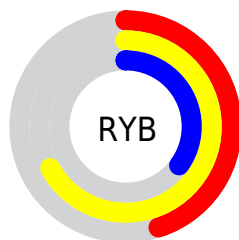
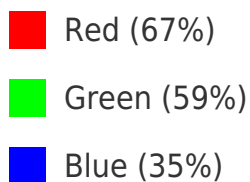
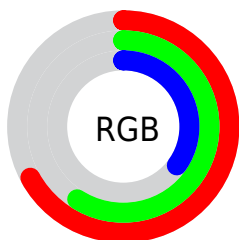
Format	Color
RYB	114, 171, 88
Decimal	11245400
CIELab	62.92, -1.19, 35.73
CIELCh	63, 35.753, 91.908
Yxy	31.4957, 0.3957, 0.4207
Android (android.graphics.Color)	4289435480 (0xFFAB9758)
YUV	149.7980, -30.4664, 18.5942
Hunter-Lab	56.1210, -3.9934, 24.7578

Details

The XYZ color **29.6226, 31.4957, 13.7505** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.7375, 15.7395, 40.6837**, and the grayscale version is **29.0199, 30.5312, 33.2485**.

A 20% lighter version of the original color is **58.4864, 62.0207, 33.3147**, and **12.2763, 13.0495, 3.8792** is the 20% darker color. If you saturate the color by 10%, you get **28.3445, 29.9432, 10.2304**, and if you desaturate by 10%, it is **31.0915, 33.1639, 18.1546**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6226, 31.4957, 13.7505 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 29.6226, 31.4957, 13.7505 by changing the saturation by 10% instead.


 29.6226, 31.4957,
13.7505


 29.6226, 31.4957,
13.7505


292.0828,
308.8155, 227.0473


 19.6990, 20.9766,
7.8106


 58.4556, 62.0197,
33.3564

 12.2834, 13.1069,
3.8879


 78.0956, 82.7933,
47.8595


 7.0106, 7.5022,
1.5641


 101.7051,
107.7540, 66.0540

 3.5151, 3.7781,
0.2650

 129.6495,
137.2860, 88.3585

 1.4316, 1.5502,
0.0000

 162.2941,
171.7737, 115.1915

 0.2786, 0.3237,
0.0000

200.0043,

 0.0000, 0.0000,


211.6016, 146.9717


0.0000


243.1454,
257.1541, 184.1174


 29.6226, 31.4957,
13.7505


 29.6226, 31.4957,
13.7505


 28.3445, 29.9432,
10.2304


 31.0915, 33.1639,
18.1546


 27.2430, 28.4969,
7.5303


 32.7599, 34.9482,
23.4970


 26.3052, 27.1524,
5.5803


 34.6386, 36.8544,
29.8298

 25.5153, 25.9030,
4.2984


 36.7367, 38.8865,
37.2007


 24.8451, 24.7371,
3.5371


 39.0629, 41.0484,
45.6544

 24.7511, 24.5711,
3.4382

 41.6255, 43.3437,
55.2329

 44.4322, 45.7758,
65.9759

 47.4904, 48.3481,
77.9213

 50.8071, 51.0636,
91.1052

Harmonies

Analogous

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



34.6039, 31.4957, 15.5470



29.6226, 31.4957, 13.7505



25.2189, 31.4957, 16.0841

Triad

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



29.6226, 31.4957, 13.7505



22.6169, 31.4957, 50.6571



39.0583, 31.4957, 48.6622

Complementary

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



29.6226, 31.4957, 13.7505



16.7375, 15.7395, 40.6837

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.



35.2068, 31.4957, 62.7393



29.6226, 31.4957, 13.7505



25.7075, 31.4957, 64.0950

Square

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



29.6226, 31.4957, 13.7505



21.4585, 31.4957, 35.2012



30.2510, 31.4957, 69.0256



40.3947, 31.4957, 33.4014

Rectangle

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



29.6226, 31.4957, 13.7505



23.1048, 31.4957, 20.1741



30.2510, 31.4957, 69.0256



37.9955, 31.4957, 53.8193

Sweetspot

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



29.6234, 31.4972, 13.7511



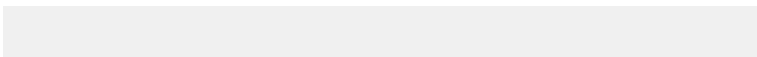
63.2216, 67.1702, 57.5342



23.0313, 16.7364, 16.4144



13.9322, 14.8159, 12.2516



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.



29.6234, 31.4972, 13.7511



50.6603, 53.4962, 18.0528



28.9481, 36.3381, 14.7211



8.4967, 8.9983, 8.5024



18.7011, 18.6077, 2.6060



0.5592, 0.5956, 0.0855

Inverse Universe

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



16.7375, 15.7395, 40.6837



24.9265, 22.0617, 71.9464



17.1166, 13.1554, 40.1650



7.7298, 8.0589, 10.1008



6.1797, 3.4932, 29.3931



0.2142, 0.1817, 0.8318

Previews

White Background



This preview shows how the XYZ color 29.6226, 31.4957, 13.7505 looks on a white background.

Color Contrast Check

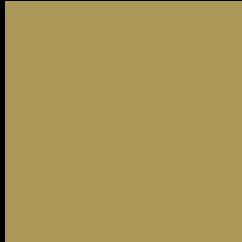
Large Text (above 18pt) WCAG AA × Fail

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 29.6226, 31.4957, 13.7505 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 29.6226, 31.4957, 13.7505

Background



This preview shows how black text looks on a background with the XYZ color 29.6226, 31.4957, 13.7505.

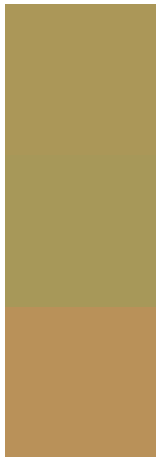


This preview shows how white text looks on a background with the XYZ color 29.6226, 31.4957,

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

29.6226, 31.4957, 13.7505

Protanopia

28.9678, 31.3932, 13.9839

Deuteranopia

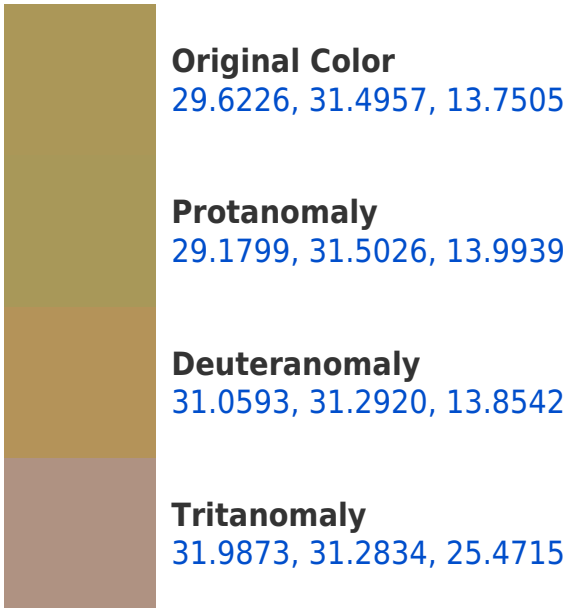
31.9362, 31.2864, 13.8068



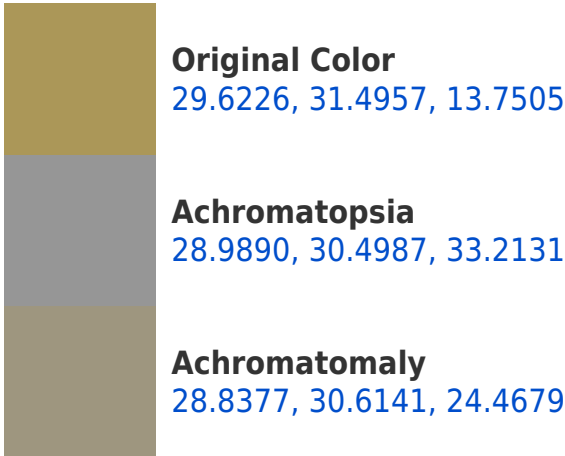
Tritanopia

33.7867, 31.3251, 34.8375

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6226, 31.4957, 13.7505 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, 151, 88)` looks like.

```
.text, #text, p{  
    color:rgb(171, 151, 88)  
}
```

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, 151, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 151, 88) }
```

Border

The CSS property to change the border of an element to XYZ 29.6226, 31.4957, 13.7505 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, 151, 88) }
```


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

```
.border{ border-color:rgb(171, 151, 88) }
```

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

Here you see how a box with a 4 pixel rgb(171, 151, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 151, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 151, 88);  
box-shadow:4px 4px 4px 4px rgb(171, 151,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6226, 31.4957, 13.7505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 151, 88) }
```

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

```
.background{ background-color: rgb(171,  
151, 88) }
```

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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