

Converting Colors

XYZ(13.4328, 14.7397, 9.9810)

Have a look what the booklet for
XYZ(13.4328, 14.7397, 9.9810)
contains.

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Color

**XYZ(13.4033, 14.6987,
9.9153)**

Conversions

Conversions Part 1

Format	Color
Hex	6F6C51
RGB	111, 108, 81
RGB Percent	44%, 42%, 32%
CMY	0.5647, 0.5765, 0.6823
CMYK	0.00, 0.03, 0.27, 0.56
HSL	54°, 16%, 38%
HSV	54°, 27%, 44%
XYZ	13.4033, 14.6987, 9.9153
YIQ	105.8190, 10.4550, -7.7610

Conversions

Conversions Part 2

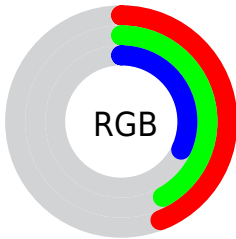
Format	Color
RYB	84, 111, 81
Decimal	7302225
CIELab	45.22, -3.62, 15.57
CIELCh	45, 15.985, 103.095
Yxy	14.6987, 0.3526, 0.3866
Android (android.graphics.Color)	4285492305 (0xFF6F6C51)
YUV	105.8190, -12.2358, 4.5437
Hunter-Lab	38.3389, -4.6893, 11.5035

Details

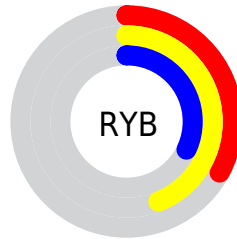
The XYZ color **13.4033, 14.6987, 9.9153** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4329, 9.2375, 16.3248**, and the grayscale version is **13.6808, 14.3932, 15.6742**.

A 20% lighter version of the original color is **31.5317, 34.1945, 26.0574**, and **4.0371, 4.5216, 2.3290** is the 20% darker color. If you saturate the color by 10%, you get **12.9046, 14.3138, 7.8607**, and if you desaturate by 10%, it is **13.9723, 15.1152, 12.3295**.

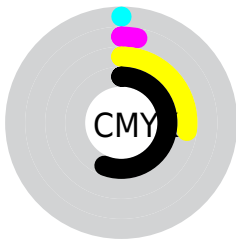
Distribution



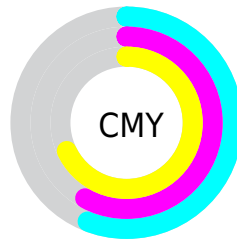
- Red (44%)
- Green (42%)
- Blue (32%)



- Red (33%)
- Yellow (44%)
- Blue (32%)



- Cyan (0%)
- Magenta (3%)
- Yellow (27%)
- Black (56%)



- Cyan (56%)
- Magenta (58%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4033, 14.6987, 9.9153 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 13.4033, 14.6987, 9.9153 by changing the saturation by 10% instead.

■ 13.4033, 14.6987,
9.9153

■ 13.4033, 14.6987,
9.9153

207.0722,
221.5352, 200.5293

■ 7.7858, 8.6082,
5.2380

■ 31.6216, 34.3237,
26.2414

■ 4.0088, 4.4865,
2.3264

■ 44.9531, 48.6271,
38.7272

■ 1.7071, 1.9493,
0.7459

■ 61.5867, 66.4368,
54.6530

■ 0.4607, 0.5777,
0.0000

■ 81.8876, 88.1373,
74.4372

■ 0.0000, 0.0000,
0.0000

■ 106.2212,
114.1130, 98.4983

134.9530,

144.7483, 127.2551

168.4482,
180.4276, 161.1259

■ 13.4033, 14.6987,
9.9153

■ 13.4033, 14.6987,
9.9153

■ 12.9046, 14.3138,
7.8607

■ 13.9723, 15.1152,
12.3295

■ 12.4717, 13.9570,
6.1473

■ 14.6137, 15.5624,
15.1186

■ 12.1015, 13.6277,
4.7567

■ 15.3305, 16.0423,
18.2981

■ 11.7901, 13.3243,
3.6680

■ 16.1256, 16.5559,
21.8824

■ 11.5330, 13.0449,
2.8584

■ 17.0017, 17.1043,
25.8851

■ 11.3252, 12.7876,
2.3012

■ 17.9610, 17.6884,
30.3193

■ 11.1539, 12.5472,
1.9288

■ 19.0061, 18.3092,
35.1974

■ 11.1041, 12.4766,
1.8230

■ 20.1392, 18.9677,
40.5314

■ 21.3625, 19.6647,
46.3327

Harmonies

Analogous

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



14.7221, 14.6987, 10.0065



13.4033, 14.6987, 9.9153



12.3068, 14.6987, 11.2601

Triad

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



13.4033, 14.6987, 9.9153



12.1974, 14.6987, 21.5041



16.5435, 14.6987, 18.2134

Complementary

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



13.4033, 14.6987, 9.9153



9.4329, 9.2375, 16.3248

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.



15.7781, 14.6987, 21.9231



13.4033, 14.6987, 9.9153



13.2453, 14.6987, 24.0185

Square

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



13.4033, 14.6987, 9.9153



11.6407, 14.6987, 17.7090



14.5538, 14.6987, 24.1829



16.5924, 14.6987, 14.4128

Rectangle

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



13.4033, 14.6987, 9.9153



11.8266, 14.6987, 12.9342



14.5538, 14.6987, 24.1829



16.3594, 14.6987, 19.5256

Sweetspot

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



13.4037, 14.6994, 9.9156



26.0243, 27.7687, 26.4410



11.0983, 9.9046, 9.7146



6.2165, 6.6467, 6.1958



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.4037, 14.6994, 9.9156



23.4644, 25.9116, 15.5286



12.3153, 14.6157, 9.9568



3.6148, 3.8621, 3.6283



13.0744, 14.6813, 2.1447



64.7722, 72.4197, 10.5645

Inverse Universe

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



9.4329, 9.2375, 16.3248



15.1644, 14.4959, 28.9285



10.3260, 9.3599, 16.3014



3.2420, 3.3492, 4.2298



3.5122, 1.6147, 17.8482



17.1841, 7.4201, 88.8056

Previews

White Background



This preview shows how the XYZ color 13.4033, 14.6987, 9.9153 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.4033, 14.6987, 9.9153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

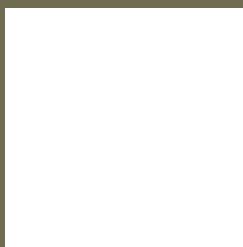
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4033, 14.6987, 9.9153

Background



This preview shows how black text looks on a background with the XYZ color 13.4033, 14.6987, 9.9153.



This preview shows how white text looks on a background with the XYZ color 13.4033, 14.6987,

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

13.4033, 14.6987, 9.9153

Protanopia

13.7759, 14.7394, 9.7083

Deuteranopia

14.9774, 14.7453, 10.0394



Tritanopia

14.9452, 14.7153, 17.3819

Trichromacy



Original Color

13.4033, 14.6987, 9.9153

Protanomaly

13.6451, 14.6720, 9.7022

Deuteranomaly

14.4597, 14.7773, 10.0728

Tritanomaly

14.3400, 14.6201, 14.3781

Monochromacy



Original Color

13.4033, 14.6987, 9.9153

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5997, 14.5666, 13.4041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4033, 14.6987, 9.9153 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(111, 108, 81)` looks like.

```
.text, #text, p{  
    color:rgb(111, 108, 81)  
}
```

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(111, 108, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 108, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.4033, 14.6987, 9.9153 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(111, 108, 81) }
```


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

```
.border{ border-color:rgb(111, 108, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 108, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 108, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 108, 81);  
box-shadow:4px 4px 4px 4px rgb(111, 108,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4033, 14.6987, 9.9153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 108, 81) }
```

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

```
.background{ background-color: rgb(111,  
108, 81) }
```

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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