

Converting Colors

XYZ(13.3391, 14.7873, 16.2485)

Have a look what the booklet for
XYZ(13.3391, 14.7873, 16.2485)
contains.

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Color

**XYZ(13.4283, 14.8872,
16.3531)**

Conversions

Conversions Part 1

Format	Color
Hex	636E6C
RGB	99, 110, 108
RGB Percent	39%, 43%, 42%
CMY	0.6118, 0.5686, 0.5765
CMYK	0.10, 0.00, 0.02, 0.57
HSL	169°, 5%, 41%
HSV	169°, 10%, 43%
XYZ	13.4283, 14.8872, 16.3531
YIQ	106.4830, -5.9140, -2.9540

Conversions

Conversions Part 2

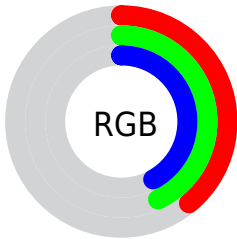
Format	Color
R_{YB}	99, 105, 110
Decimal	6516332
CIE Lab	45.48, -4.58, -0.31
CIE LCh	45, 4.594, 183.892
Yxy	14.8872, 0.3006, 0.3333
Android (android.graphics.Color)	4284706412 (0xFF636E6C)
YUV	106.4830, 0.7479, -6.5626
Hunter-Lab	38.5839, -5.3988, 1.8798

Details

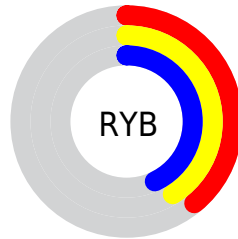
The XYZ color **13.4283, 14.8872, 16.3531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2418, 13.1787, 14.1585**, and the grayscale version is **13.8318, 14.5521, 15.8472**.

A 20% lighter version of the original color is **31.7560, 34.8279, 37.8496**, and **3.9811, 4.5122, 5.0760** is the 20% darker color. If you saturate the color by 10%, you get **12.2023, 14.2677, 15.7463**, and if you desaturate by 10%, it is **14.8214, 15.5933, 16.9811**.

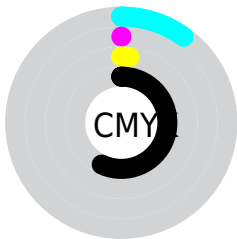
Distribution



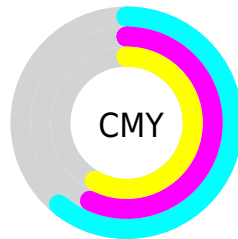
- Red (39%)
- Green (43%)
- Blue (42%)



- Red (39%)
- Yellow (41%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (57%)



- Cyan (61%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4283, 14.8872, 16.3531 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 13.4283, 14.8872, 16.3531 by changing the saturation by 10% instead.

■ 13.4283, 14.8872,
16.3531

■ 13.4283, 14.8872,
16.3531

207.2272,
222.6825, 243.3328

■ 7.8032, 8.7403,
9.6173

■ 31.6659, 34.6552,
37.9854

■ 4.0200, 4.5722,
5.0437

■ 45.0091, 49.0450,
53.7190

■ 1.7135, 1.9985,
2.2137

■ 61.6558, 66.9512,
73.2890

■ 0.4647, 0.6066,
0.6823

■ 81.9711, 88.7583,
97.1138

■ 0.0000, 0.0000,
0.0000

106.3206,
114.8505, 125.6120

135.0695,

145.6124, 159.2023

168.5833,
181.4282, 198.3030

■ 13.4283, 14.8872,
16.3531

■ 13.4283, 14.8872,
16.3531

■ 12.2023, 14.2677,
15.7463

■ 14.8214, 15.5933,
16.9811

■ 11.1354, 13.7296,
15.1593

■ 16.3864, 16.3874,
17.6298

■ 10.2211, 13.2699,
14.5920

■ 18.1298, 17.2731,
18.2997

■ 9.4517, 12.8846,
14.0440

■ 20.0570, 18.2533,
18.9912

■ 8.8192, 12.5696,
13.5149

■ 22.1736, 19.3309,
19.7047

■ 8.3143, 12.3201,
13.0041

■ 24.4846, 20.5083,
20.4405

■ 7.9270, 12.1309,
12.5110

■ 26.9949, 21.7883,
21.1988

■ 7.6455, 11.9960,
12.0351

■ 29.7094, 23.1731,
21.9801

■ 7.4211, 11.8904,
11.5739

■ 32.6326, 24.6653,
22.7845

Harmonies

Analogous

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



13.4993, 14.8872, 15.2998



13.4283, 14.8872, 16.3531



13.5478, 14.8872, 17.4134

Triad

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



13.4283, 14.8872, 16.3531



14.5642, 14.8872, 18.0227



14.4761, 14.8872, 14.3899

Complementary

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



13.4283, 14.8872, 16.3531



13.2418, 13.1787, 14.1585

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.



14.7695, 14.8872, 15.0626



13.4283, 14.8872, 16.3531



14.8210, 14.8872, 17.1548

Square

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



13.4283, 14.8872, 16.3531



14.1998, 14.8872, 18.4044



14.8968, 14.8872, 16.0670



14.0999, 14.8872, 14.1966

Rectangle

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



13.4283, 14.8872, 16.3531



13.7206, 14.8872, 17.9726



14.8968, 14.8872, 16.0670



14.5879, 14.8872, 14.5659

Sweetspot

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



13.4287, 14.8878, 16.3534



25.2433, 26.9859, 29.4776



13.1972, 14.8210, 13.9698



5.8343, 6.2595, 6.8418



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.4287, 14.8878, 16.3534



23.0574, 25.8791, 28.4681



13.1680, 14.1939, 16.7982



3.4502, 3.8053, 4.1770



8.9051, 14.2795, 13.8528



44.0694, 71.0164, 67.4757

Inverse Universe

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



13.2418, 13.1787, 14.1585



22.6590, 22.2369, 23.7909



13.4821, 13.8144, 13.7605



3.4070, 3.4105, 3.6701



7.8679, 4.0395, 1.1144



38.9551, 20.0274, 4.2957

Previews

White Background



This preview shows how the XYZ color 13.4283, 14.8872, 16.3531 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 13.4283, 14.8872, 16.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

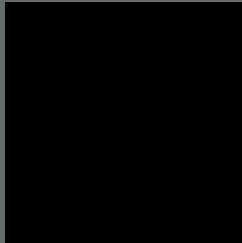
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

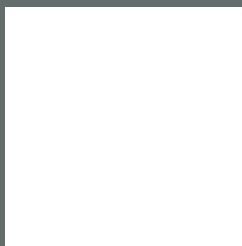
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4283, 14.8872, 16.3531

Background



This preview shows how black text looks on a background with the XYZ color 13.4283, 14.8872, 16.3531.



This preview shows how white text looks on a background with the XYZ color 13.4283, 14.8872,

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

13.4283, 14.8872, 16.3531

Protanopia

14.2896, 14.8710, 15.7529

Deuteranopia

15.0467, 14.7867, 16.5291



Tritanopia

14.0464, 14.9883, 18.9823

Trichromacy



Original Color

13.4283, 14.8872, 16.3531

Protanomaly

13.9603, 14.8508, 16.0406

Deuteranomaly

14.3448, 14.7272, 16.5546

Tritanomaly

13.7614, 14.8615, 18.0628

Monochromacy



Original Color

13.4283, 14.8872, 16.3531

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.5051, 14.4605, 15.9893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4283, 14.8872, 16.3531 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(99, 110, 108) looks like.

```
.text, #text, p{  
    color:rgb(99, 110, 108)  
}
```

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(99, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 110, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.4283, 14.8872, 16.3531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

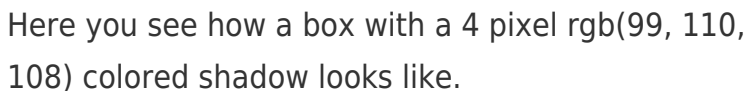
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 110, 108) }
```


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

```
.border{ border-color:rgb(99, 110, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(99, 110,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4283, 14.8872, 16.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 110, 108) }
```

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

```
.background{ background-color: rgb(99, 110,  
108) }
```

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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