

Converting Colors

XYZ(13.4171, 14.8797, 13.8905)

Have a look what the booklet for
XYZ(13.4171, 14.8797, 13.8905)
contains.

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Color

**XYZ(13.4216, 14.9363,
13.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	676E63
RGB	103, 110, 99
RGB Percent	40%, 43%, 39%
CMY	0.5961, 0.5686, 0.6118
CMYK	0.06, 0.00, 0.10, 0.57
HSL	98°, 5%, 41%
HSV	98°, 10%, 43%
XYZ	13.4216, 14.9363, 13.9800
YIQ	106.6530, -0.6410, -4.9050

Conversions

Conversions Part 2

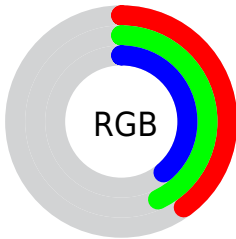
Format	Color
R_{YB}	99, 110, 106
Decimal	6778467
CIE _{Lab}	45.55, -4.92, 5.22
CIE _{LCh}	46, 7.170, 133.301
Yxy	14.9363, 0.3170, 0.3528
Android (android.graphics.Color)	4284968547 (0xFF676E63)
YUV	106.6530, -3.7729, -3.2037
Hunter-Lab	38.6475, -5.6432, 5.6062

Details

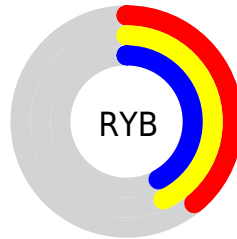
The XYZ color **13.4216, 14.9363, 13.9800** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2208, 13.1141, 16.5871**, and the grayscale version is **13.8897, 14.6131, 15.9136**.

A 20% lighter version of the original color is **31.7518, 34.9127, 33.9195**, and **3.9961, 4.5430, 4.0344** is the 20% darker color. If you saturate the color by 10%, you get **12.1615, 14.3438, 11.3603**, and if you desaturate by 10%, it is **14.8214, 15.5934, 16.9809**.

Distribution



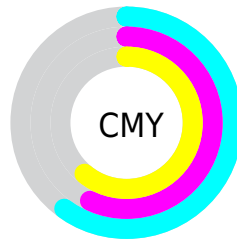
- Red (40%)
- Green (43%)
- Blue (39%)



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



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4216, 14.9363, 13.9800 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 13.4216, 14.9363, 13.9800 by changing the saturation by 10% instead.

■ 13.4216, 14.9363,
13.9800

■ 13.4216, 14.9363,
13.9800

207.1857,
222.9803, 228.5305

■ 7.7985, 8.7747,
7.9682

■ 31.6541, 34.7414,
33.7702

■ 4.0170, 4.5945,
3.9871

■ 44.9941, 49.1537,
48.3856

■ 1.7118, 2.0114,
1.6183

■ 61.6372, 67.0849,
66.7059

■ 0.4636, 0.6141,
0.3038

■ 81.9487, 88.9196,
89.1497

■ 0.0000, 0.0000,
0.0000

106.2940,
115.0421, 116.1355

135.0383,

145.8368, 148.0819

168.5471,
181.6881, 185.4074

■ 13.4216, 14.9363,
13.9800

■ 13.4216, 14.9363,
13.9800

■ 12.1615, 14.3438,
11.3603

■ 14.8214, 15.5934,
16.9809

■ 11.0355, 13.8121,
9.1056

■ 16.3640, 16.3151,
20.3763

■ 10.0391, 13.3395,
7.1999

■ 18.0540, 17.1038,
24.1803

■ 9.1672, 12.9240,
5.6258

■ 19.8952, 17.9614,
28.4057

■ 8.4144, 12.5631,
4.3643

■ 21.8914, 18.8894,
33.0651

■ 7.7748, 12.2542,
3.3943

■ 24.0464, 19.8896,
38.1703

■ 7.2420, 11.9945,
2.6925

■ 26.3635, 20.9634,
43.7326

■ 6.8085, 11.7808,
2.2316

■ 28.8462, 22.1124,
49.7633

■ 6.4510, 11.6034,
1.8997

■ 31.4978, 23.3380,
56.2728

Harmonies

Analogous

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



13.9333, 14.9363, 13.2613



13.4216, 14.9363, 13.9800



13.1223, 14.9363, 15.3341

Triad

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



13.4216, 14.9363, 13.9800



13.8683, 14.9363, 19.6294



15.3464, 14.9363, 15.5164

Complementary

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



13.4216, 14.9363, 13.9800



13.2208, 13.1141, 16.5871

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.



15.3278, 14.9363, 17.2288



13.4216, 14.9363, 13.9800



14.4630, 14.9363, 19.6868

Square

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



13.4216, 14.9363, 13.9800



13.3752, 14.9363, 18.6304



15.0007, 14.9363, 18.7821



15.0508, 14.9363, 14.1053

Rectangle

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



13.4216, 14.9363, 13.9800



13.0781, 14.9363, 16.4537



15.0007, 14.9363, 18.7821



15.3770, 14.9363, 16.0740

Sweetspot

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



13.4220, 14.9369, 13.9803



25.2450, 27.0167, 28.1253



13.8338, 14.5177, 13.8777



5.8346, 6.2682, 6.4587



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.



13.4220, 14.9369, 13.9803



23.0358, 25.9796, 23.4256



13.0449, 14.7344, 14.3321



3.4490, 3.8168, 3.6283



7.7188, 13.9229, 2.2806



37.5770, 68.9057, 11.3196

Inverse Universe

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



13.2208, 13.1141, 16.5871



22.6069, 22.0951, 28.9805



13.6281, 13.3332, 16.1926



3.4025, 3.3958, 4.2303



6.3837, 2.9004, 17.9450



30.8304, 13.9480, 89.3464

Previews

White Background



This preview shows how the XYZ color 13.4216, 14.9363, 13.9800 looks on a white background.

Color Contrast Check

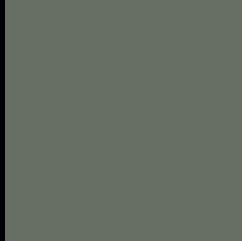
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4216, 14.9363, 13.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

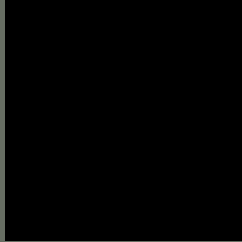
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

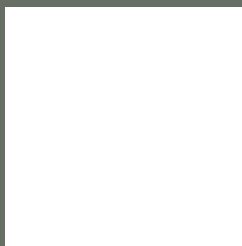
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4216, 14.9363, 13.9800

Background



This preview shows how black text looks on a background with the XYZ color 13.4216, 14.9363, 13.9800.



This preview shows how white text looks on a background with the XYZ color 13.4216, 14.9363,

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

13.4216, 14.9363, 13.9800

Protanopia

14.1444, 14.8420, 13.6746

Deuteranopia

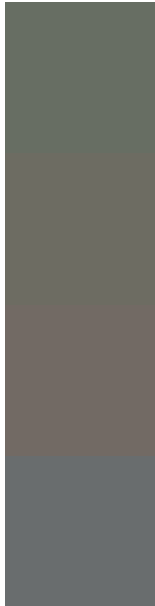
15.1357, 14.8857, 14.1321



Tritanopia

14.4588, 15.0502, 18.6659

Trichromacy



Original Color

13.4216, 14.9363, 13.9800

Protanomaly

13.8738, 14.8582, 13.6920

Deuteranomaly

14.3937, 14.8056, 14.1557

Tritanomaly

14.1088, 15.0663, 16.9163

Monochromacy



Original Color

13.4216, 14.9363, 13.9800

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8051, 14.7888, 15.2236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4216, 14.9363, 13.9800 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(103, 110, 99)` looks like.

```
.text, #text, p{  
    color:rgb(103, 110, 99)  
}
```

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(103, 110, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.4216, 14.9363, 13.9800 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(103, 110, 99) }
```


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

```
.border{ border-color:rgb(103, 110, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 110, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 99);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4216, 14.9363, 13.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 99) }
```

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

```
.background{ background-color: rgb(103,  
110, 99) }
```

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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