

Converting Colors

XYZ(14.6116, 16.8777, 14.8512)

Have a look what the booklet for
XYZ(14.6116, 16.8777, 14.8512)
contains.

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Color

**XYZ(14.6531, 16.8997,
14.8016)**

Conversions

Conversions Part 1

Format	Color
Hex	697665
RGB	105, 118, 101
RGB Percent	41%, 46%, 40%
CMY	0.5882, 0.5372, 0.6039
CMYK	0.11, 0.00, 0.14, 0.54
HSL	106°, 8%, 43%
HSV	106°, 14%, 46%
XYZ	14.6531, 16.8997, 14.8016
YIQ	112.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

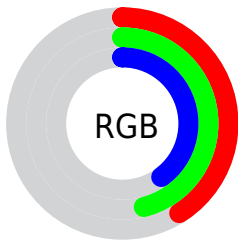
Format	Color
R_{YB}	101, 118, 114
Decimal	6911589
CIE Lab	48.13, -8.33, 7.74
CIE LCh	48, 11.374, 137.125
Yxy	16.8997, 0.3161, 0.3646
Android (android.graphics.Color)	4285101669 (0xFF697665)
YUV	112.1750, -5.5093, -6.2925
Hunter-Lab	41.1092, -8.3161, 7.4288

Details

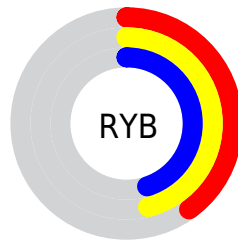
The XYZ color **14.6531, 16.8997, 14.8016** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8638, 14.1932, 19.0966**, and the grayscale version is **15.4690, 16.2746, 17.7230**.

A 20% lighter version of the original color is **33.7525, 38.0844, 35.2778**, and **4.6009, 5.5462, 4.3181** is the 20% darker color. If you saturate the color by 10%, you get **13.1118, 16.1677, 11.9251**, and if you desaturate by 10%, it is **16.3909, 17.7244, 18.1215**.

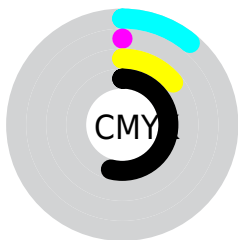
Distribution



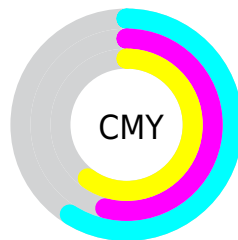
- Red (41%)
- Green (46%)
- Blue (40%)



- Red (40%)
- Yellow (46%)
- Blue (45%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)



- Cyan (59%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6531, 16.8997, 14.8016 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 14.6531, 16.8997, 14.8016 by changing the saturation by 10% instead.

■ 14.6531, 16.8997,
14.8016

■ 14.6531, 16.8997,
14.8016

214.6871,
234.5937, 233.7615

■ 8.6610, 10.1630,
8.5352

■ 33.8201, 38.1532,
35.2421

■ 4.5761, 5.5072,
4.3466

■ 47.7258, 53.4389,
50.2533

■ 2.0329, 2.5478,
1.8174

■ 65.0000, 72.3430,
69.0165

■ 0.6524, 0.9005,
0.4394

■ 86.0082, 95.2499,
91.9502

■ 0.0000, 0.0000,
0.0000

111.1156,
122.5440, 119.4731

140.6876,

154.6098, 152.0035

175.0897,
191.8315, 189.9601

■ 14.6531, 16.8997,
14.8016

■ 14.6531, 16.8997,
14.8016

■ 13.1118, 16.1677,
11.9251

■ 16.3909, 17.7244,
18.1215

■ 11.7585, 15.5230,
9.4720

■ 18.3304, 18.6426,
21.9011

■ 10.5864, 14.9628,
7.4228

■ 20.4785, 19.6580,
26.1576

■ 9.5873, 14.4837,
5.7558

■ 22.8412, 20.7733,
30.9067

■ 8.7529, 14.0816,
4.4472

■ 25.4243, 21.9913,
36.1636

■ 8.0736, 13.7523,
3.4706

■ 28.2333, 23.3144,
41.9425

■ 7.5392, 13.4912,
2.7962

■ 31.2737, 24.7451,
48.2575

■ 7.1359, 13.2921,
2.3790

■ 34.5506, 26.2859,
55.1218

■ 6.9511, 13.2010,
2.1817

■ 38.0691, 27.9390,
62.5483

Harmonies

Analogous

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



15.4859, 16.8997, 13.4905



14.6531, 16.8997, 14.8016



14.2064, 16.8997, 17.1644

Triad

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



14.6531, 16.8997, 14.8016



15.6249, 16.8997, 24.5098



18.0328, 16.8997, 16.7791

Complementary

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



14.6531, 16.8997, 14.8016



14.8638, 14.1932, 19.0966

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.



18.0740, 16.8997, 19.6954



14.6531, 16.8997, 14.8016



16.6535, 16.8997, 24.3781

Square

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



14.6531, 16.8997, 14.8016



14.7511, 16.8997, 22.8835



17.5598, 16.8997, 22.5410



17.4498, 16.8997, 14.5456

Rectangle

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



14.6531, 16.8997, 14.8016



14.1746, 16.8997, 19.1142



17.5598, 16.8997, 22.5410



18.1114, 16.8997, 17.7056

Sweetspot

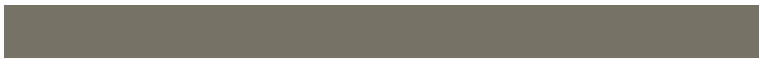
The Sweet Spot groups the original color and five complimentary colors.



14.6536, 16.9004, 14.8020



28.9189, 31.2110, 32.0546



15.8100, 16.7702, 14.7159



6.6023, 7.1538, 7.2798



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



14.6536, 16.9004, 14.8020



24.9114, 29.3099, 24.4197



14.4085, 16.7494, 15.9060



3.7139, 4.1360, 3.9449



7.5097, 14.2757, 2.3597



35.9457, 69.2325, 11.4687

Inverse Universe

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



14.8638, 14.1932, 19.0966



25.3492, 23.6681, 33.3694



15.1486, 14.3686, 17.8208



3.7465, 3.7166, 4.6102



8.1134, 3.7739, 18.8434



38.7533, 17.9865, 91.7895

Previews

White Background



This preview shows how the XYZ color 14.6531, 16.8997, 14.8016 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 14.6531, 16.8997, 14.8016 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

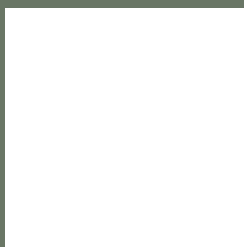
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.6531, 16.8997, 14.8016

Background



This preview shows how black text looks on a background with the XYZ color 14.6531, 16.8997, 14.8016.

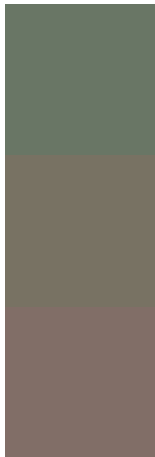


This preview shows how white text looks on a background with the XYZ color 14.6531, 16.8997,

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

14.6531, 16.8997, 14.8016

Protanopia

16.0152, 16.9285, 14.2278

Deuteranopia

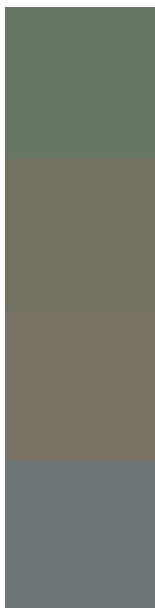
17.0774, 16.7983, 15.1743



Tritanopia

16.0755, 16.9679, 21.4966

Trichromacy



Original Color

14.6531, 16.8997, 14.8016

Protanomaly

15.5012, 16.8264, 14.4874

Deuteranomaly

16.0491, 16.7626, 14.9600

Tritanomaly

15.5821, 16.9399, 18.9715

Monochromacy



Original Color

14.6531, 16.8997, 14.8016

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0308, 16.3685, 16.5546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6531, 16.8997, 14.8016 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(105, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(105, 118, 101)  
}
```

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(105, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 118, 101) }
```

Border

The CSS property to change the border of an element to XYZ 14.6531, 16.8997, 14.8016 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(105, 118, 101) }
```


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

```
.border{ border-color:rgb(105, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(105, 118,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6531, 16.8997, 14.8016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 118, 101) }
```

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

```
.background{ background-color: rgb(105,  
118, 101) }
```

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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