

Converting Colors

XYZ(14.5655, 24.7272, 18.4319)

Have a look what the booklet for
XYZ(14.5655, 24.7272, 18.4319)
contains.

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Color

**XYZ(14.6488, 24.8811,
18.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	009C6D
RGB	0, 156, 109
RGB Percent	0%, 61%, 43%
CMY	1.0000, 0.3882, 0.5725
CMYK	1.00, 0.00, 0.30, 0.39
HSL	162°, 100%, 31%
HSV	162°, 100%, 61%
XYZ	14.6488, 24.8811, 18.4985
YIQ	103.9980, -77.8890, -47.6890

Conversions

Conversions Part 2

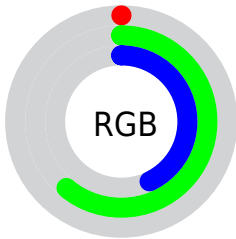
Format	Color
RYB	0, 92, 156
Decimal	40045
CIELab	56.96, -46.40, 15.02
CIELCh	57, 48.775, 162.062
Yxy	24.8811, 0.2524, 0.4288
Android (android.graphics.Color)	4278230125 (0xFF009C6D)
YUV	103.9980, 2.4660, -91.2062
Hunter-Lab	49.8810, -34.8707, 12.9288

Details

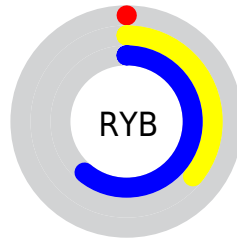
The XYZ color **14.6488, 24.8811, 18.4985** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.2243, 7.2738, 3.3448**, and the grayscale version is **13.1673, 13.8530, 15.0859**.

A 20% lighter version of the original color is **34.0010, 51.7349, 41.9120**, and **5.6926, 10.0374, 6.0523** is the 20% darker color. If you saturate the color by 10%, you get **14.6492, 24.8819, 18.4982**, and if you desaturate by 10%, it is **15.1164, 25.0927, 19.8775**.

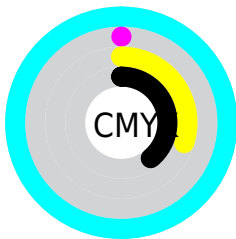
Distribution



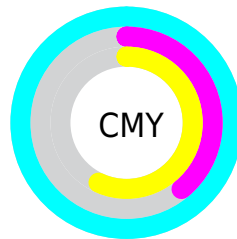
- Red (0%)
- Green (61%)
- Blue (43%)



- Red (0%)
- Yellow (36%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6488, 24.8811, 18.4985 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 14.6488, 24.8811, 18.4985 by changing the saturation by 10% instead.

■ 14.6488, 24.8811,
18.4985

■ 14.6488, 24.8811,
18.4985

214.6613,
277.2453, 255.9958

■ 8.6580, 15.9885,
11.1353

■ 33.8126, 51.4643,
41.7103

■ 4.5741, 9.5160,
6.0426

■ 47.7163, 69.9236,
58.3960

■ 2.0318, 5.0793,
2.8018

■ 64.9884, 92.3407,
79.0263

■ 0.6517, 2.2938,
0.9943

■ 85.9942, 119.0998,
104.0198

■ 0.0000, 0.7704,
0.0000

■ 111.0990,
150.5855, 133.7949

■ 0.0000, 0.0000,
0.0000

■ 140.6682,

187.1820, 168.7703

175.0672,
229.2738, 209.3644

■ 14.6488, 24.8811,
18.4985

■ 14.6488, 24.8811,
18.4985

■ 14.6492, 24.8819,
18.4982

■ 15.1164, 25.0927,
19.8775

■ 15.7544, 25.3900,
21.3356

■ 16.6341, 25.8104,
22.8779

■ 17.7848, 26.3687,
24.5066

■ 19.2312, 27.0778,
26.2239

■ 20.9954, 27.9491,
28.0319

■ 23.0971, 28.9927,
29.9325

■ 25.5546, 30.2180,
31.9273

■ 28.3846, 31.6336,
34.0183

Harmonies

Analogous

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



17.0165, 24.8811, 9.7839



14.6488, 24.8811, 18.4985



14.4377, 24.8811, 34.2247

Triad

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



14.6488, 24.8811, 18.4985



26.0235, 24.8811, 71.0715



32.7948, 24.8811, 10.9886

Complementary

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



14.6488, 24.8811, 18.4985



14.2243, 7.2738, 3.3448

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.



36.1240, 24.8811, 21.0251



14.6488, 24.8811, 18.4985



31.8129, 24.8811, 57.8688

Square

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



14.6488, 24.8811, 18.4985



20.4191, 24.8811, 69.4930



35.7382, 24.8811, 38.0022



27.2022, 24.8811, 6.8098

Rectangle

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



14.6488, 24.8811, 18.4985



15.4955, 24.8811, 47.4993



35.7382, 24.8811, 38.0022



34.2534, 24.8811, 13.5697

Sweetspot

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



14.6495, 24.8821, 18.4991



41.7022, 52.5340, 54.1517



13.1754, 24.4410, 4.0235



8.8355, 11.3904, 11.6160



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.6495, 24.8821, 18.4991



26.5155, 45.1548, 33.1201



13.6428, 17.6838, 34.1480



6.7366, 7.4754, 8.0477



12.0818, 20.5006, 15.3195



0.2337, 0.3736, 0.3671

Inverse Universe

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



14.2243, 7.2738, 3.3448



25.7568, 13.1793, 5.6673



14.1407, 7.9279, 0.7852



6.7112, 6.6774, 7.3304



11.7296, 5.9964, 2.8272



0.2272, 0.1142, 0.1424

Previews

White Background



This preview shows how the XYZ color 14.6488, 24.8811, 18.4985 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6488, 24.8811, 18.4985 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 × Fail

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

XYZ 14.6488, 24.8811, 18.4985

Background



This preview shows how black text looks on a background with the XYZ color 14.6488, 24.8811, 18.4985.



This preview shows how white text looks on a background with the XYZ color 14.6488, 24.8811,

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

14.6488, 24.8811, 18.4985

Protanopia

22.9585, 24.6394, 15.6024

Deuteranopia

25.1154, 24.6385, 19.6516



Tritanopia

18.6487, 24.8250, 37.5270

Trichromacy



Original Color

14.6488, 24.8811, 18.4985



Protanomaly

16.7848, 22.9513, 16.3774



Deuteranomaly

17.6142, 22.6577, 19.0678



Tritanomaly

16.7704, 24.7495, 29.4844

Monochromacy



Original Color

14.6488, 24.8811, 18.4985



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.9312, 16.3648, 16.1655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6488, 24.8811, 18.4985 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(0, 156, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 109)  
}
```

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(0, 156, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 109) }
```

Border

The CSS property to change the border of an element to XYZ 14.6488, 24.8811, 18.4985 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(0, 156, 109) }
```


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

```
.border{ border-color:rgb(0, 156, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6488, 24.8811, 18.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 109) }
```

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

```
.background{ background-color: rgb(0, 156,  
109) }
```

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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