

Converting Colors

XYZ(3.9894, 19.0664, 18.8693)

Have a look what the booklet for
XYZ(3.9894, 19.0664, 18.8693)
contains.

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Color

**XYZ(14.6460, 24.6125,
19.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	009B70
RGB	0, 155, 112
RGB Percent	0%, 61%, 44%
CMY	0.9999, 0.3921, 0.5608
CMYK	1.00, 0.00, 0.28, 0.39
HSL	163°, 100%, 30%
HSV	163°, 100%, 61%
XYZ	14.6460, 24.6125, 19.3080
YIQ	103.7530, -78.5770, -46.2330

Conversions

Conversions Part 2

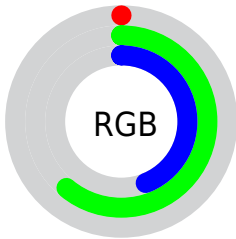
Format	Color
RYB	0, 90, 155
Decimal	39792
CIELab	56.70, -45.29, 12.97
CIELCh	57, 47.108, 164.012
Yxy	24.6125, 0.2501, 0.4202
Android (android.graphics.Color)	4278229872 (0xFF009B70)
YUV	103.7530, 4.0658, -90.9914
Hunter-Lab	49.6110, -34.1230, 11.6527

Details

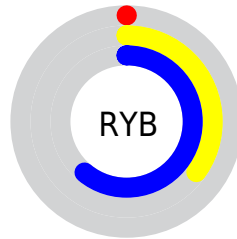
The XYZ color **14.6460, 24.6125, 19.3080** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.9546, 7.1437, 2.9306**, and the grayscale version is **13.0983, 13.7804, 15.0068**.

A 20% lighter version of the original color is **33.6779, 50.7998, 43.1523**, and **5.6768, 9.8729, 6.4570** is the 20% darker color. If you saturate the color by 10%, you get **14.6462, 24.6132, 19.3072**, and if you desaturate by 10%, it is **15.0973, 24.8174, 20.6098**.

Distribution



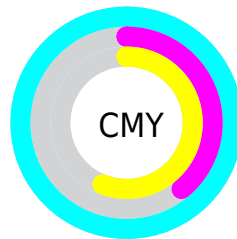
- Red (0%)
- Green (61%)
- Blue (44%)



- Red (0%)
- Yellow (35%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6460, 24.6125, 19.3080 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 14.6460, 24.6125, 19.3080 by changing the saturation by 10% instead.

■ 14.6460, 24.6125,
19.3080

■ 14.6460, 24.6125,
19.3080

214.6446,
275.9026, 260.6230

■ 8.6560, 15.7886,
11.7140

■ 33.8077, 51.0279,
43.0975

■ 4.5728, 9.3747,
6.4291

■ 47.7102, 69.3881,
60.1301

■ 2.0310, 4.9864,
3.0347

■ 64.9808, 91.6960,
81.1459

■ 0.6513, 2.2393,
1.1124

■ 85.9851, 118.3358,
106.5636

■ 0.0000, 0.7413,
0.0000

■ 111.0882,
149.6920, 136.8016

■ 0.0000, 0.0000,
0.0000

■ 140.6556,

186.1489, 172.2784

175.0526,
228.0910, 213.4127

■ 14.6460, 24.6125,
19.3080

■ 14.6460, 24.6125,
19.3080

■ 14.6462, 24.6132,
19.3072

■ 15.0973, 24.8174,
20.6098

■ 15.7142, 25.1058,
21.9793

■ 16.5674, 25.5146,
23.4212

■ 17.6855, 26.0586,
24.9376

■ 19.0929, 26.7503,
26.5304

■ 20.8112, 27.6009,
28.2014

■ 22.8598, 28.6204,
29.9522

■ 25.2566, 29.8180,
31.7843

■ 28.0182, 31.2021,
33.6993

Harmonies

Analogous

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



16.8017, 24.6125, 10.4121



14.6460, 24.6125, 19.3080



14.5772, 24.6125, 34.8011

Triad

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



14.6460, 24.6125, 19.3080



26.0422, 24.6125, 68.1069



31.8315, 24.6125, 10.8093

Complementary

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



14.6460, 24.6125, 19.3080



13.9546, 7.1437, 2.9306

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.



35.1961, 24.6125, 20.1281



14.6460, 24.6125, 19.3080



31.5167, 24.6125, 54.9338

Square

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



14.6460, 24.6125, 19.3080



20.6061, 24.6125, 67.6059



35.0726, 24.6125, 36.0128



26.4215, 24.6125, 6.9822

Rectangle

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



14.6460, 24.6125, 19.3080



15.6923, 24.6125, 47.5036



35.0726, 24.6125, 36.0128



33.2743, 24.6125, 13.2010

Sweetspot

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



14.6467, 24.6135, 19.3086



40.7022, 51.1368, 53.4484



12.7575, 23.9774, 3.9562



8.8735, 11.4056, 11.8160



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.



14.6467, 24.6135, 19.3086



26.1456, 44.0450, 34.1375



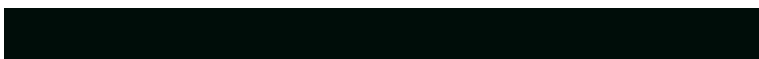
12.8056, 16.1443, 33.4526



6.3114, 6.9973, 7.5634



11.7802, 19.7755, 15.5949



0.1912, 0.3017, 0.3127

Inverse Universe

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



13.9546, 7.1437, 2.9306



24.9197, 12.7644, 4.8780



14.0787, 8.0900, 0.8200



6.2757, 6.2495, 6.8321



11.2222, 5.7431, 2.4289



0.1817, 0.0914, 0.1097

Previews

White Background



This preview shows how the XYZ color 14.6460, 24.6125, 19.3080 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 14.6460, 24.6125, 19.3080 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 14.6460, 24.6125, 19.3080

Background



This preview shows how black text looks on a background with the XYZ color 14.6460, 24.6125, 19.3080.



This preview shows how white text looks on a background with the XYZ color 14.6460, 24.6125,

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

14.6460, 24.6125, 19.3080

Protanopia

22.7892, 24.3270, 16.3264

Deuteranopia

24.7702, 24.2418, 20.5132



Tritanopia

18.5457, 24.7719, 37.5222

Trichromacy



Original Color

14.6460, 24.6125, 19.3080



Protanomaly

16.6882, 22.6619, 17.1303



Deuteranomaly

17.5306, 22.3788, 19.9186



Tritanomaly

16.6202, 24.4235, 29.8248

Monochromacy



Original Color

14.6460, 24.6125, 19.3080



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.9836, 16.3857, 16.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6460, 24.6125, 19.3080 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, 155, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 112)  
}
```

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, 155, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 112) }
```

Border

The CSS property to change the border of an element to XYZ 14.6460, 24.6125, 19.3080 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, 155, 112) }
```


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

```
.border{ border-color:rgb(0, 155, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6460, 24.6125, 19.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 112) }
```

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

```
.background{ background-color: rgb(0, 155,  
112) }
```

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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