

Converting Colors

XYZ(14.6174, 24.4937, 19.4885)

Have a look what the booklet for
XYZ(14.6174, 24.4937, 19.4885)
contains.

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Color

**XYZ(14.7020, 24.6349,
19.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	009B71
RGB	0, 155, 113
RGB Percent	0%, 61%, 44%
CMY	0.9999, 0.3921, 0.5569
CMYK	1.00, 0.00, 0.27, 0.39
HSL	164°, 100%, 30%
HSV	164°, 100%, 61%
XYZ	14.7020, 24.6349, 19.6029
YIQ	103.8670, -78.8980, -45.9220

Conversions

Conversions Part 2

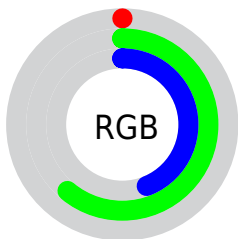
Format	Color
RYB	0, 90, 155
Decimal	39793
CIELab	56.72, -45.04, 12.44
CIELCh	57, 46.727, 164.555
Yxy	24.6349, 0.2494, 0.4180
Android (android.graphics.Color)	4278229873 (0xFF009B71)
YUV	103.8670, 4.5026, -91.0914
Hunter-Lab	49.6336, -33.9851, 11.3268

Details

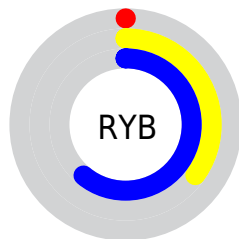
The XYZ color **14.7020, 24.6349, 19.6029** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.9365, 7.1365, 2.8352**, and the grayscale version is **13.1276, 13.8113, 15.0405**.

A 20% lighter version of the original color is **33.7686, 50.8360, 43.6299**, and **5.7055, 9.8844, 6.6082** is the 20% darker color. If you saturate the color by 10%, you get **14.7022, 24.6356, 19.6021**, and if you desaturate by 10%, it is **15.1500, 24.8385, 20.8878**.

Distribution



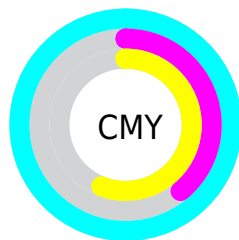
- Red (0%)
- Green (61%)
- Blue (44%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (39%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7020, 24.6349, 19.6029 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 14.7020, 24.6349, 19.6029 by changing the saturation by 10% instead.

■ 14.7020, 24.6349,
19.6029

■ 14.7020, 24.6349,
19.6029

214.9797,
276.0148, 262.2899

■ 8.6955, 15.8053,
11.9255

■ 33.9055, 51.0643,
43.6006

■ 4.5986, 9.3865,
6.5711

■ 47.8332, 69.4328,
60.7580

■ 2.0460, 4.9941,
3.1210

■ 65.1320, 91.7498,
81.9124

■ 0.6596, 2.2438,
1.1567

■ 86.1672, 118.3996,
107.4825

■ 0.0000, 0.7437,
0.0000

■ 111.3042,
149.7666, 137.8868

■ 0.0000, 0.0000,
0.0000

■ 140.9084,

186.2352, 173.5438

175.3451,
228.1898, 214.8720

■ 14.7020, 24.6349,
19.6029

■ 14.7020, 24.6349,
19.6029

■ 14.7022, 24.6356,
19.6021

■ 15.1500, 24.8385,
20.8878

■ 15.7633, 25.1254,
22.2377

■ 16.6123, 25.5325,
23.6574

■ 17.7256, 26.0746,
25.1487

■ 19.1277, 26.7643,
26.7137

■ 20.8401, 27.6125,
28.3539

■ 22.8824, 28.6294,
30.0710

■ 25.2723, 29.8242,
31.8666

■ 28.0264, 31.2053,
33.7419

Harmonies

Analogous

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



16.8094, 24.6349, 10.6257



14.7020, 24.6349, 19.6029



14.6712, 24.6349, 35.0882

Triad

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



14.7020, 24.6349, 19.6029



26.1463, 24.6349, 67.5817



31.6974, 24.6349, 10.8043

Complementary

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



14.7020, 24.6349, 19.6029



13.9365, 7.1365, 2.8352

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.



35.0833, 24.6349, 19.9701



14.7020, 24.6349, 19.6029



31.5569, 24.6349, 54.3716

Square

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



14.7020, 24.6349, 19.6029



20.7352, 24.6349, 67.3588



35.0283, 24.6349, 35.6290



26.3157, 24.6349, 7.0568

Rectangle

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



14.7020, 24.6349, 19.6029



15.8059, 24.6349, 47.6831



35.0283, 24.6349, 35.6290



33.1413, 24.6349, 13.1551

Sweetspot

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



14.7027, 24.6359, 19.6035



40.7433, 51.1533, 53.6650



12.7575, 23.9774, 3.9562



8.8838, 11.4097, 11.8705



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.



14.7027, 24.6359, 19.6035



26.2469, 44.0855, 34.6710



12.8056, 16.1444, 33.4526



6.3131, 6.9980, 7.5722



11.8250, 19.7934, 15.8307



0.1917, 0.3019, 0.3151

Inverse Universe

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



13.9365, 7.1365, 2.8352



24.8884, 12.7519, 4.7131



14.0787, 8.0900, 0.8200



6.2741, 6.2488, 6.8238



11.2074, 5.7372, 2.3511



0.1812, 0.0913, 0.1073

Previews

White Background



This preview shows how the XYZ color 14.7020, 24.6349, 19.6029 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 14.7020, 24.6349, 19.6029 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 14.7020, 24.6349, 19.6029

Background



This preview shows how black text looks on a background with the XYZ color 14.7020, 24.6349, 19.6029.



This preview shows how white text looks on a background with the XYZ color 14.7020, 24.6349,

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

14.7020, 24.6349, 19.6029

Protanopia

22.8397, 24.3472, 16.5924

Deuteranopia

24.5791, 24.1433, 20.5042



Tritanopia

18.5457, 24.7719, 37.5222

Trichromacy



Original Color

14.7020, 24.6349, 19.6029



Protanomaly

16.7405, 22.6829, 17.4058



Deuteranomaly

17.4220, 22.3229, 19.9135



Tritanomaly

16.6963, 24.4539, 30.2256

Monochromacy



Original Color

14.7020, 24.6349, 19.6029



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 14.7020, 24.6349, 19.6029 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 113) }
```

Border

The CSS property to change the border of an element to XYZ 14.7020, 24.6349, 19.6029 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, 113) }
```


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

```
.border{ border-color:rgb(0, 155, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7020, 24.6349, 19.6029 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, 113) }
```

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

```
.background{ background-color: rgb(0, 155,  
113) }
```

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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