

Converting Colors

XYZ(4.4163, 12.3346, 8.7431)

Have a look what the booklet for
XYZ(4.4163, 12.3346, 8.7431)
contains.

XYZ(8.1074, 14.1827, 8.9669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.1074, 14.1827,
8.9669)**

Conversions

Conversions Part 1

Format	Color
Hex	00794B
RGB	0, 121, 75
RGB Percent	0%, 47%, 29%
CMY	1.0000, 0.5255, 0.7059
CMYK	1.00, 0.00, 0.38, 0.53
HSL	157°, 100%, 24%
HSV	157°, 100%, 47%
XYZ	8.1074, 14.1827, 8.9669
YIQ	79.5770, -57.3500, -39.9580

Conversions

Conversions Part 2

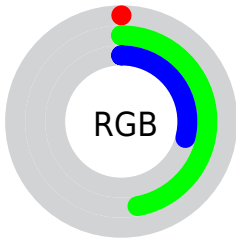
Format	Color
RYB	0, 75, 121
Decimal	31051
CIELab	44.49, -40.65, 17.29
CIELCh	44, 44.173, 156.964
Yxy	14.1827, 0.2594, 0.4537
Android (android.graphics.Color)	4278221131 (0xFF00794B)
YUV	79.5770, -2.2565, -69.7890
Hunter-Lab	37.6599, -27.4775, 12.2449

Details

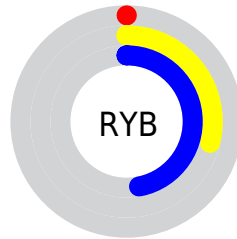
The XYZ color **8.1074, 14.1827, 8.9669** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.3789, 4.2626, 2.9669**, and the grayscale version is **7.5558, 7.9493, 8.6568**.

A 20% lighter version of the original color is **21.7546, 33.2638, 24.3428**, and **2.4876, 4.6002, 1.9851** is the 20% darker color. If you saturate the color by 10%, you get **8.1075, 14.1831, 8.9666**, and if you desaturate by 10%, it is **8.4241, 14.3275, 9.8340**.

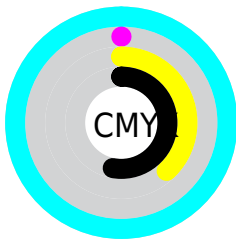
Distribution



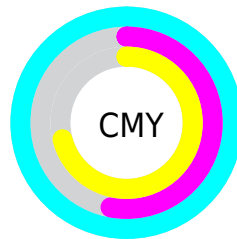
- Red (0%)
- Green (47%)
- Blue (29%)



- Red (0%)
- Yellow (29%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.1074, 14.1827, 8.9669 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 8.1074, 14.1827, 8.9669 by changing the saturation by 10% instead.


 8.1074, 14.1827,
8.9669


 8.1074, 14.1827,
8.9669


170.9240,
218.3645, 193.3398


 4.2161, 8.2478,
4.6231


 21.8521, 33.4129,
24.4100


 1.8251, 4.2539,
1.9730

 32.4363, 47.4769,
36.3463


 0.5327, 1.8166,
0.5386

 45.9822, 65.0196,
51.6506

 0.0000, 0.4975,
0.0000


 62.8550, 86.4251,
70.7414


 0.0000, 0.0000,
0.0000


 83.4203, 112.0780,
94.0371


 108.0433,


142.3626, 121.9564


 137.0895,
177.6633, 154.9178


 8.1074, 14.1827,
8.9669


 8.1074, 14.1827,
8.9669


 8.1075, 14.1831,
8.9666

 8.4241, 14.3275,
9.8340

 8.8275, 14.5152,
10.7656

 9.3709, 14.7738,
11.7656

 10.0697, 15.1111,
12.8358

 10.9368, 15.5337,
13.9780

■ 11.9842, 16.0478,
15.1939

■ 13.2223, 16.6588,
16.4849

■ 14.6610, 17.3717,
17.8527

■ 16.3094, 18.1912,
19.2985

Harmonies

Analogous

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



9.7661, 14.1827, 4.4721



8.1074, 14.1827, 8.9669



7.7593, 14.1827, 17.9456

Triad

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



8.1074, 14.1827, 8.9669



14.3280, 14.1827, 44.2533



19.7286, 14.1827, 6.3940

Complementary

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



8.1074, 14.1827, 8.9669



8.3789, 4.2626, 2.9669

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.



21.4883, 14.1827, 13.1838



8.1074, 14.1827, 8.9669



18.0337, 14.1827, 37.0232

Square

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



8.1074, 14.1827, 8.9669



10.9732, 14.1827, 41.4501



20.8188, 14.1827, 24.4630



16.3427, 14.1827, 3.5095

Rectangle

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



8.1074, 14.1827, 8.9669



8.2496, 14.1827, 26.1569



20.8188, 14.1827, 24.4630



20.5548, 14.1827, 8.1451

Sweetspot

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



8.1078, 14.1833, 8.9672



23.4966, 29.7414, 29.3393



7.9820, 14.2651, 2.3330



5.1948, 6.7126, 6.5277



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.1078, 14.1833, 8.9672



14.4481, 25.3695, 15.6885



8.6972, 11.8722, 19.9229



4.0455, 4.4878, 4.7735



8.6826, 15.1967, 9.5795



40.9926, 72.3201, 43.4605

Inverse Universe

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



8.3789, 4.2626, 2.9669



14.9387, 7.6066, 4.9709



8.0442, 4.3826, 0.4222



4.0555, 4.0379, 4.4900



8.9735, 4.5655, 3.1513



42.4184, 21.6237, 12.9994

Previews

White Background



This preview shows how the XYZ color 8.1074, 14.1827, 8.9669 looks on a white background.

Color Contrast Check

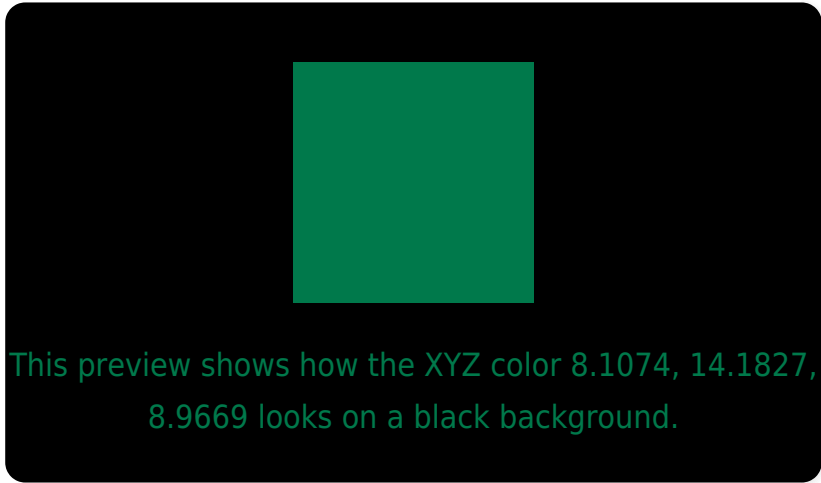
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.1074, 14.1827, 8.9669

Background



This preview shows how black text looks on a background with the XYZ color 8.1074, 14.1827, 8.9669.



This preview shows how white text looks on a background with the XYZ color 8.1074, 14.1827,

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

8.1074, 14.1827, 8.9669

Protanopia

13.0344, 14.0979, 7.5030

Deuteranopia

14.2700, 14.0975, 9.5584



Tritanopia

10.7651, 14.2303, 21.2481

Trichromacy



Original Color

8.1074, 14.1827, 8.9669

Protanomaly

9.5694, 13.2403, 8.0125

Deuteranomaly

9.8796, 12.8949, 9.1760

Tritanomaly

9.4148, 13.9962, 15.8410

Monochromacy



Original Color

8.1074, 14.1827, 8.9669

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

6.8326, 9.4383, 8.6694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1074, 14.1827, 8.9669 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, 121, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 75)  
}
```

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, 121, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 75) }
```

Border

The CSS property to change the border of an element to XYZ 8.1074, 14.1827, 8.9669 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, 121, 75) }
```


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

```
.border{ border-color:rgb(0, 121, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.1074, 14.1827, 8.9669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 75) }
```

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

```
.background{ background-color: rgb(0, 121,  
75) }
```

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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