

Converting Colors

XYZ(1.3506, 10.7701, 8.2066)

Have a look what the booklet for
XYZ(1.3506, 10.7701, 8.2066)
contains.

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Color

**XYZ(8.0071, 14.1426,
8.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	007948
RGB	0, 121, 72
RGB Percent	0%, 47%, 28%
CMY	1.0000, 0.5255, 0.7176
CMYK	1.00, 0.00, 0.40, 0.53
HSL	156°, 100%, 24%
HSV	156°, 100%, 47%
XYZ	8.0071, 14.1426, 8.4387
YIQ	79.2350, -56.3870, -40.8910

Conversions

Conversions Part 2

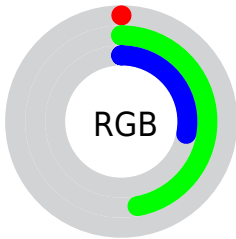
Format	Color
RYB	0, 76, 121
Decimal	31048
CIELab	44.44, -41.32, 18.93
CIELCh	44, 45.446, 155.384
Yxy	14.1426, 0.2618, 0.4624
Android (android.graphics.Color)	4278221128 (0xFF007948)
YUV	79.2350, -3.5669, -69.4891
Hunter-Lab	37.6066, -27.8059, 13.0203

Details

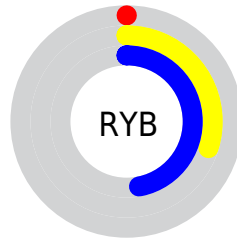
The XYZ color **8.0071, 14.1426, 8.4387** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.4401, 4.2871, 3.2894**, and the grayscale version is **7.4921, 7.8822, 8.5837**.

A 20% lighter version of the original color is **21.5677, 33.1891, 23.3586**, and **2.4511, 4.5856, 1.7928** is the 20% darker color. If you saturate the color by 10%, you get **8.0072, 14.1431, 8.4384**, and if you desaturate by 10%, it is **8.3268, 14.2886, 9.3221**.

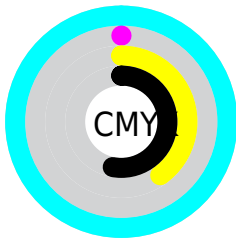
Distribution



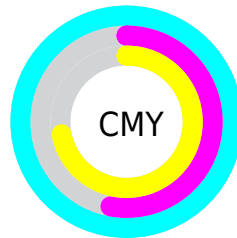
- Red (0%)
- Green (47%)
- Blue (28%)



- Red (0%)
- Yellow (30%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.0071, 14.1426, 8.4387 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 8.0071, 14.1426, 8.4387 by changing the saturation by 10% instead.

8.0071, 14.1426,
8.4387

8.0071, 14.1426,
8.4387

170.1566,
218.1162, 189.1948

4.1513, 8.2199,
4.2851

21.6576, 33.3418,
23.3743

1.7881, 4.2360,
1.7830

32.1831, 47.3872,
34.9934

0.5105, 1.8064,
0.4167

45.6626, 64.9089,
49.9382

0.0000, 0.4912,
0.0000


62.4613, 86.2913,
68.6270


0.0000, 0.0000,
0.0000


82.9448, 111.9188,
91.4786


107.4782,


142.1759, 118.9114


 136.4270,
177.4469, 151.3440


 8.0071, 14.1426,
8.4387


 8.0071, 14.1426,
8.4387


 8.0072, 14.1431,
8.4384

 8.3268, 14.2886,
9.3221

 8.7348, 14.4782,
10.2775

 9.2842, 14.7391,
11.3089

 9.9904, 15.0794,
12.4186

 10.8666, 15.5057,
13.6084

■ 11.9246, 16.0240,
14.8804

■ 13.1750, 16.6399,
16.2362

■ 14.6277, 17.3584,
17.6776

■ 16.2918, 18.1841,
19.2063

Harmonies

Analogous

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



9.7661, 14.1426, 4.1209



8.0071, 14.1426, 8.4387



7.5841, 14.1426, 17.3676

Triad

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



8.0071, 14.1426, 8.4387



14.1130, 14.1426, 45.4288



20.0323, 14.1426, 6.4305

Complementary

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



8.0071, 14.1426, 8.4387



8.4401, 4.2871, 3.2894

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.



21.7332, 14.1426, 13.5848



8.0071, 14.1426, 8.4387



17.9412, 14.1426, 38.3588

Square

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



8.0071, 14.1426, 8.4387



10.7195, 14.1426, 41.9384



20.9059, 14.1426, 25.4084



16.5907, 14.1426, 3.3847

Rectangle

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



8.0071, 14.1426, 8.4387



8.0353, 14.1426, 25.7513



20.9059, 14.1426, 25.4084



20.8525, 14.1426, 8.2760

Sweetspot

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



8.0075, 14.1432, 8.4390



23.4103, 29.7069, 28.8847



8.1740, 14.3641, 2.3420



5.1733, 6.7040, 6.4145



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.



8.0075, 14.1432, 8.4390



14.2675, 25.2973, 14.7375



9.1270, 12.7318, 20.0662



4.0416, 4.4863, 4.7528



8.5751, 15.1537, 9.0131



40.4740, 72.1126, 40.7295

Inverse Universe

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



8.4401, 4.2871, 3.2894



15.0464, 7.6497, 5.5382



7.9950, 4.2842, 0.4058



4.0593, 4.0395, 4.5101



9.0390, 4.5917, 3.4961



42.7182, 21.7436, 14.5779

Previews

White Background



This preview shows how the XYZ color 8.0071, 14.1426, 8.4387 looks on a white background.

Color Contrast Check

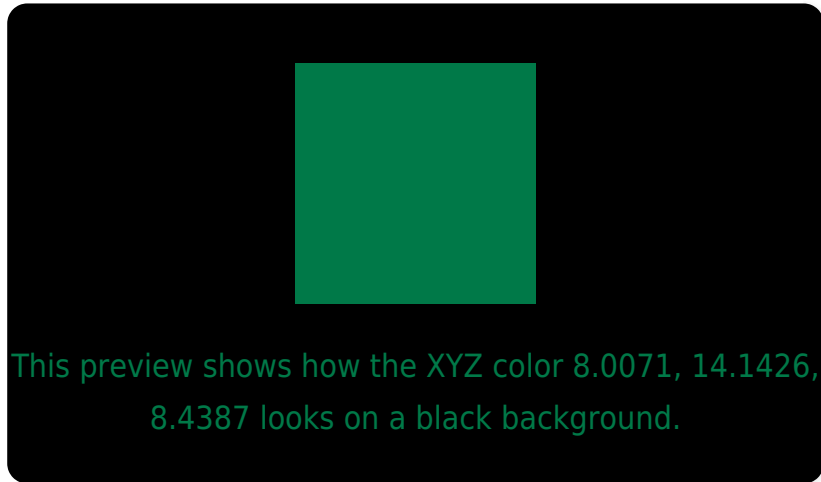
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.0071, 14.1426, 8.4387

Background



This preview shows how black text looks on a background with the XYZ color 8.0071, 14.1426, 8.4387.



This preview shows how white text looks on a background with the XYZ color 8.0071, 14.1426, 8.4387.

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

8.0071, 14.1426, 8.4387

Protanopia

12.9744, 14.0739, 7.1870

Deuteranopia

14.2089, 13.9353, 8.9621



Tritanopia

10.8075, 14.2522, 21.2501

Trichromacy



Original Color

8.0071, 14.1426, 8.4387



Protanomaly

9.4755, 13.2027, 7.5178



Deuteranomaly

9.8570, 12.8954, 8.6261



Tritanomaly

9.3900, 13.9894, 15.5699

Monochromacy



Original Color

8.0071, 14.1426, 8.4387



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

6.6226, 9.2053, 8.2652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.0071, 14.1426, 8.4387 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, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 72)  
}
```

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, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 72) }
```

Border

The CSS property to change the border of an element to XYZ 8.0071, 14.1426, 8.4387 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, 72) }
```


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

```
.border{ border-color:rgb(0, 121, 72) }
```

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, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.0071, 14.1426, 8.4387 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, 72) }
```

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

```
.background{ background-color: rgb(0, 121,  
72) }
```

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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