

Converting Colors

XYZ(3.9271, 12.1729, 8.1542)

Have a look what the booklet for
XYZ(3.9271, 12.1729, 8.1542)
contains.

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Color

**XYZ(8.0969, 14.3740,
8.3089)**

Conversions

Conversions Part 1

Format	Color
Hex	007A47
RGB	0, 122, 71
RGB Percent	0%, 48%, 28%
CMY	1.0000, 0.5216, 0.7216
CMYK	1.00, 0.00, 0.42, 0.52
HSL	155°, 100%, 24%
HSV	155°, 100%, 48%
XYZ	8.0969, 14.3740, 8.3089
YIQ	79.7080, -56.3410, -41.7250

Conversions

Conversions Part 2

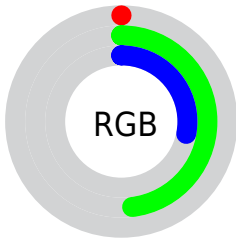
Format	Color
RYB	0, 77, 122
Decimal	31303
CIELab	44.76, -41.91, 19.93
CIELCh	45, 46.412, 154.563
Yxy	14.3740, 0.2631, 0.4670
Android (android.graphics.Color)	4278221383 (0xFF007A47)
YUV	79.7080, -4.2930, -69.9039
Hunter-Lab	37.9131, -28.2265, 13.5453

Details

The XYZ color **8.0969, 14.3740, 8.3089** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.6242, 4.3770, 3.5235**, and the grayscale version is **7.5849, 7.9799, 8.6901**.

A 20% lighter version of the original color is **21.7807, 33.5938, 23.1056**, and **2.5038, 4.7093, 1.7543** is the 20% darker color. If you saturate the color by 10%, you get **8.0970, 14.3745, 8.3086**, and if you desaturate by 10%, it is **8.4224, 14.5225, 9.2152**.

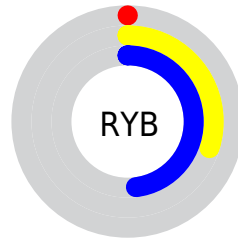
Distribution



Red (0%)

Green (48%)

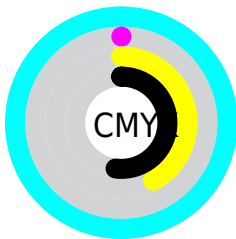
Blue (28%)



Red (0%)

Yellow (30%)

Blue (48%)

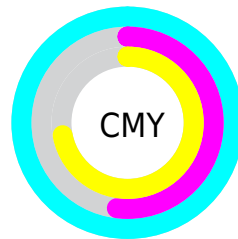


Cyan (100%)

Magenta (0%)

Yellow (42%)

Black (52%)



Cyan (100%)


Magenta (52%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.0969, 14.3740, 8.3089 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 8.0969, 14.3740, 8.3089 by changing the saturation by 10% instead.

 8.0969, 14.3740,
8.3089


 8.0969, 14.3740,
8.3089


170.8439,
219.5452, 188.1593


 4.2093, 8.3812,
4.2026


 21.8318, 33.7512,
23.1179


 1.8212, 4.3399,
1.7372

 32.4098, 47.9044,
34.6577


 0.5304, 1.8654,
0.3860

 45.9488, 65.5465,
49.5125

 0.0000, 0.5275,
0.0000

 62.8139, 87.0620,
68.1008

 0.0000, 0.0000,
0.0000

 83.3706, 112.8353,
90.8410

 107.9843,

143.2506, 118.1518

137.0203,
178.6925, 150.4518

8.0969, 14.3740,
8.3089

8.0969, 14.3740,
8.3089

8.0970, 14.3745,
8.3086

8.4224, 14.5225,
9.2152

8.8391, 14.7159,
10.1990

9.4007, 14.9825,
11.2646

10.1230, 15.3301,
12.4144

11.0195, 15.7658,
13.6506

■ 12.1021, 16.2957,
14.9752

■ 13.3818, 16.9255,
16.3902

■ 14.8687, 17.6602,
17.8975

■ 16.5720, 18.5046,
19.4988

Harmonies

Analogous

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



9.9421, 14.3740, 4.0109



8.0969, 14.3740, 8.3089



7.6258, 14.3740, 17.3645

Triad

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



8.0969, 14.3740, 8.3089



14.2480, 14.3740, 46.8890



20.5582, 14.3740, 6.5679

Complementary

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



8.0969, 14.3740, 8.3089



8.6242, 4.3770, 3.5235

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.



22.2560, 14.3740, 14.0538



8.0969, 14.3740, 8.3089



18.2104, 14.3740, 39.7886

Square

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



8.0969, 14.3740, 8.3089



10.7739, 14.3740, 42.9511



21.3263, 14.3740, 26.3927



17.0250, 14.3740, 3.3796

Rectangle

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



8.0969, 14.3740, 8.3089



8.0639, 14.3740, 25.9872



21.3263, 14.3740, 26.3927



21.3894, 14.3740, 8.4990

Sweetspot

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



8.0973, 14.3746, 8.3092



23.3651, 29.6888, 28.6469



8.4214, 14.6730, 2.3886



5.1621, 6.6995, 6.3553



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.



8.0973, 14.3746, 8.3092



14.1759, 25.2606, 14.2548



9.5157, 13.4104, 20.5000



4.0395, 4.4854, 4.7419



8.5204, 15.1318, 8.7252



40.2113, 72.0075, 39.3460

Inverse Universe

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



8.6242, 4.3770, 3.5235



15.1064, 7.6737, 5.8541



8.1148, 4.3145, 0.4054



4.0614, 4.0403, 4.5207



9.0753, 4.6063, 3.6877



42.8857, 21.8106, 15.4603

Previews

White Background



This preview shows how the XYZ color 8.0969, 14.3740, 8.3089 looks on a white background.

Color Contrast Check

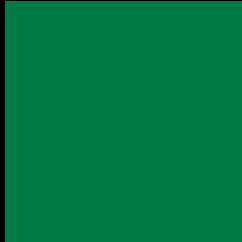
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 8.0969, 14.3740, 8.3089 looks on a 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 8.0969, 14.3740, 8.3089

Background



This preview shows how black text looks on a background with the XYZ color 8.0969, 14.3740, 8.3089.



This preview shows how white text looks on a background with the XYZ color 8.0969, 14.3740,

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

8.0969, 14.3740, 8.3089

Protanopia

13.1784, 14.3346, 7.0733

Deuteranopia

14.4156, 14.1891, 8.8165



Tritanopia

11.0293, 14.5293, 21.6252

Trichromacy



Original Color

8.0969, 14.3740, 8.3089

Protanomaly

9.5549, 13.4101, 7.3950

Deuteranomaly

10.0129, 13.1372, 8.4866

Tritanomaly

9.5349, 14.2380, 15.6103

Monochromacy



Original Color

8.0969, 14.3740, 8.3089

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

6.7970, 9.4240, 8.4820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.0969, 14.3740, 8.3089 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, 122, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 71)  
}
```

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, 122, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 71) }
```

Border

The CSS property to change the border of an element to XYZ 8.0969, 14.3740, 8.3089 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, 122, 71) }
```


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

```
.border{ border-color:rgb(0, 122, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 71)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.0969, 14.3740, 8.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 71) }
```

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

```
.background{ background-color: rgb(0, 122,  
71) }
```

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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