

Converting Colors

XYZ(7.3019, 21.4853, 7.5933)

Have a look what the booklet for
XYZ(7.3019, 21.4853, 7.5933)
contains.

XYZ(12.7955, 24.4093, 7.9080)	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(12.7955, 24.4093,
7.9080)**

Conversions

Conversions Part 1

Format	Color
Hex	009D39
RGB	0, 157, 57
RGB Percent	0%, 62%, 22%
CMY	1.0000, 0.3843, 0.7765
CMYK	1.00, 0.00, 0.64, 0.38
HSL	142°, 100%, 31%
HSV	142°, 100%, 62%
XYZ	12.7955, 24.4093, 7.9080
YIQ	98.6570, -61.4720, -64.3840

Conversions

Conversions Part 2

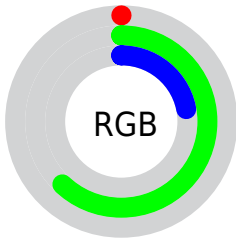
Format	Color
RYB	0, 115, 157
Decimal	40249
CIELab	56.50, -56.22, 41.55
CIELCh	56, 69.908, 143.536
Yxy	24.4093, 0.2836, 0.5411
Android (android.graphics.Color)	4278230329 (0xFF009D39)
YUV	98.6570, -20.5369, -86.5222
Hunter-Lab	49.4058, -40.2307, 25.0939

Details

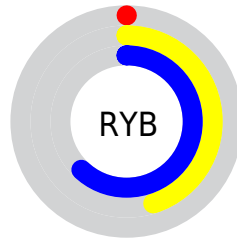
The XYZ color **12.7955, 24.4093, 7.9080** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.2057, 8.0887, 12.7652**, and the grayscale version is **11.8353, 12.4517, 13.5599**.

A 20% lighter version of the original color is **30.6208, 50.7951, 22.3779**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.7959, 24.4102, 7.9080**, and if you desaturate by 10%, it is **13.2793, 24.6277, 9.3645**.

Distribution



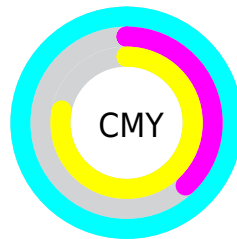
- Red (0%)
- Green (62%)
- Blue (22%)



- Red (0%)
- Yellow (45%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7955, 24.4093, 7.9080 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 12.7955, 24.4093, 7.9080 by changing the saturation by 10% instead.


 12.7955, 24.4093,
7.9080


 12.7955, 24.4093,
7.9080


203.2671,
274.8833, 184.9162


 7.3639, 15.6375,
3.9492


 30.5404, 50.6973,
22.3211


 3.7391, 9.2680,
1.5975


 43.5843, 68.9823,
33.6124


 1.5556, 4.9164,
0.2890

 59.8964, 91.2072,
48.1851

 0.3632, 2.1983,
0.0000

 79.8421, 117.7563,
66.4575

 0.0000, 0.7191,
0.0000

 103.7866,
149.0141, 88.8483

 0.0000, 0.0000,
0.0000

 132.0954,

185.3649, 115.7760

165.1338,
227.1932, 147.6591

■ 12.7955, 24.4093,
7.9080

■ 12.7955, 24.4093,
7.9080

■ 12.7959, 24.4102,
7.9080

■ 13.2793, 24.6277,
9.3645

■ 13.9745, 24.9484,
11.1009

■ 14.9551, 25.4099,
13.1341

■ 16.2529, 26.0284,
15.4778

■ 17.8952, 26.8177,
18.1444

■ 19.9060, 27.7900,
21.1461

■ 22.3075, 28.9564,
24.4940

■ 25.1197, 30.3270,
28.1989

■ 28.3614, 31.9114,
32.2711

Harmonies

Analogous

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



17.5212, 24.4093, 3.0741



12.7955, 24.4093, 7.9080



10.9127, 24.4093, 21.8669

Triad

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



12.7955, 24.4093, 7.9080



21.4912, 24.4093, 100.0761



40.6043, 24.4093, 12.4508

Complementary

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



12.7955, 24.4093, 7.9080



16.2057, 8.0887, 12.7652

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.



42.3667, 24.4093, 31.9204



12.7955, 24.4093, 7.9080



29.9904, 24.4093, 92.0098

Square

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



12.7955, 24.4093, 7.9080



15.1221, 24.4093, 80.9929



38.1114, 24.4093, 62.8663



33.7394, 24.4093, 4.4265

Rectangle

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



12.7955, 24.4093, 7.9080



11.1157, 24.4093, 38.4415



38.1114, 24.4093, 62.8663



41.8703, 24.4093, 17.4465

Sweetspot

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



12.7961, 24.4103, 7.9086



39.6792, 51.7248, 43.4987



17.5430, 26.9428, 4.2760



8.3471, 11.1950, 9.0440



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.



12.7961, 24.4103, 7.9086



22.8310, 43.6810, 13.7174



16.3225, 25.8209, 26.4784



6.6453, 7.4389, 7.5668



10.4088, 19.8314, 6.5096



0.2055, 0.3624, 0.2186

Inverse Universe

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



16.2057, 8.0887, 12.7652



28.9270, 14.4474, 22.3615



14.0655, 7.2326, 1.4948



6.8019, 6.7137, 7.8077



13.1796, 6.5764, 10.4625



0.2553, 0.1255, 0.2906

Previews

White Background



This preview shows how the XYZ color 12.7955, 24.4093, 7.9080 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 12.7955, 24.4093, 7.9080 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 12.7955, 24.4093, 7.9080

Background



This preview shows how black text looks on a background with the XYZ color 12.7955, 24.4093, 7.9080.



This preview shows how white text looks on a background with the XYZ color 12.7955, 24.4093,

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

12.7955, 24.4093, 7.9080

Protanopia

21.8392, 24.0510, 6.6232

Deuteranopia

24.4284, 23.9387, 8.4874



Tritanopia

18.7416, 24.4274, 36.5281

Trichromacy



Original Color

12.7955, 24.4093, 7.9080



Protanomaly

15.1844, 22.3349, 6.8789



Deuteranomaly

16.0737, 21.8883, 8.0803



Tritanomaly

15.4545, 23.9895, 22.2282

Monochromacy



Original Color

12.7955, 24.4093, 7.9080



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.3666, 15.1298, 10.7615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7955, 24.4093, 7.9080 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, 157, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 57)  
}
```

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, 157, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 57) }
```

Border

The CSS property to change the border of an element to XYZ 12.7955, 24.4093, 7.9080 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, 157, 57) }
```


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

```
.border{ border-color:rgb(0, 157, 57) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7955, 24.4093, 7.9080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 57) }
```

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

```
.background{ background-color: rgb(0, 157,  
57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor