

Converting Colors

XYZ(10.3627, 15.4856, 14.2833)

Have a look what the booklet for
XYZ(10.3627, 15.4856, 14.2833)
contains.

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Color

**XYZ(10.2939, 15.3778,
14.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	2D7A63
RGB	45, 122, 99
RGB Percent	18%, 48%, 39%
CMY	0.8235, 0.5216, 0.6118
CMYK	0.63, 0.00, 0.19, 0.52
HSL	162°, 46%, 33%
HSV	162°, 63%, 48%
XYZ	10.2939, 15.3778, 14.2301
YIQ	96.3550, -38.5090, -23.4770

Conversions

Conversions Part 2

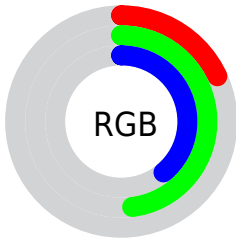
Format	Color
RYB	45, 90, 122
Decimal	2980451
CIELab	46.15, -29.54, 5.66
CIELCh	46, 30.080, 169.163
Yxy	15.3778, 0.2580, 0.3854
Android (android.graphics.Color)	4281170531 (0xFF2D7A63)
YUV	96.3550, 1.3040, -45.0383
Hunter-Lab	39.2145, -21.7688, 5.9351

Details

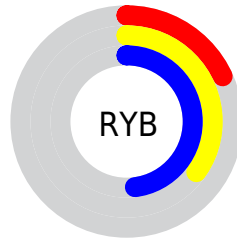
The XYZ color **10.2939, 15.3778, 14.2301** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.0084, 6.4322, 6.1836**, and the grayscale version is **11.2086, 11.7923, 12.8418**.

A 20% lighter version of the original color is **25.9806, 35.5146, 34.3398**, and **3.0251, 5.0221, 4.1781** is the 20% darker color. If you saturate the color by 10%, you get **9.6625, 15.0724, 13.3117**, and if you desaturate by 10%, it is **11.0892, 15.7676, 15.1979**.

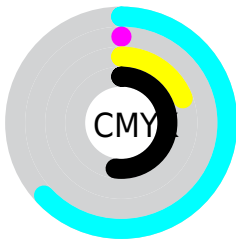
Distribution



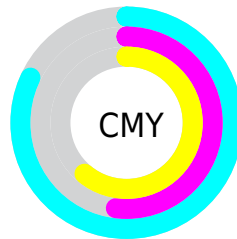
- Red (18%)
- Green (48%)
- Blue (39%)



- Red (18%)
- Yellow (35%)
- Blue (48%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (52%)



- Cyan (82%)
- Magenta (52%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2939, 15.3778, 14.2301 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 10.2939, 15.3778, 14.2301 by changing the saturation by 10% instead.

■ 10.2939, 15.3778,
14.2301

■ 10.2939, 15.3778,
14.2301

186.7671,
225.6417, 230.1356

■ 5.6580, 9.0850,
8.1403

■ 25.9915, 35.5146,
34.2197

■ 2.6769, 4.7966,
4.0958

■ 37.7840, 50.1274,
48.9567

■ 0.9853, 2.1284,
1.6780

■ 52.6927, 68.2822,
67.4130

■ 0.0000, 0.6806,
0.3456

■ 71.0830, 90.3635,
90.0074

■ 0.0000, 0.0000,
0.0000

■ 93.3202, 116.7558,
117.1583

■ 119.7697,

147.8433, 149.2843

150.7969,
184.0104, 186.8039

■ 10.2939, 15.3778,
14.2301

■ 10.2939, 15.3778,
14.2301

■ 9.6625, 15.0724,
13.3117

■ 11.0892, 15.7676,
15.1979

■ 9.1799, 14.8424,
12.4405

■ 12.0594, 16.2463,
16.2151

■ 8.8292, 14.6795,
11.6154

■ 13.2161, 16.8201,
17.2832

■ 8.6217, 14.5843,
11.0716

■ 14.5692, 17.4943,
18.4031

■ 16.1282, 18.2736,
19.5757

■ 17.9020, 19.1627,
20.8019

■ 19.8986, 20.1657,
22.0827

■ 22.1259, 21.2867,
23.4187

■ 24.5913, 22.5294,
24.8110

Harmonies

Analogous

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



11.1984, 15.3778, 9.1120



10.2939, 15.3778, 14.2301



10.4411, 15.3778, 21.8124

Triad

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



10.2939, 15.3778, 14.2301



16.2927, 15.3778, 33.9080



18.0780, 15.3778, 8.1806

Complementary

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



10.2939, 15.3778, 14.2301



10.0084, 6.4322, 6.1836

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.



19.7778, 15.3778, 12.5283



10.2939, 15.3778, 14.2301



18.6668, 15.3778, 27.7610

Square

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



10.2939, 15.3778, 14.2301



13.7098, 15.3778, 34.7634



20.0051, 15.3778, 19.5374



15.5615, 15.3778, 6.3617

Rectangle

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



10.2939, 15.3778, 14.2301



11.1212, 15.3778, 27.3215



20.0051, 15.3778, 19.5374



18.7758, 15.3778, 9.3239

Sweetspot

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



10.2943, 15.3784, 14.2305



26.5901, 31.2558, 33.1184



9.8246, 15.3417, 4.9264



5.9392, 7.0764, 7.4643



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.



10.2943, 15.3784, 14.2305



16.5669, 26.3091, 22.6848



9.8117, 12.3958, 20.2885



4.0585, 4.4930, 4.8418



9.0732, 15.3530, 11.6365



42.8916, 73.0797, 53.4603

Inverse Universe

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



10.0084, 6.4322, 6.1836



16.0421, 9.1541, 7.3712



10.1371, 7.6014, 3.4159



4.0430, 4.0329, 4.4242



8.7892, 4.4918, 2.1809



41.5922, 21.2932, 8.6485

Previews

White Background



This preview shows how the XYZ color 10.2939, 15.3778, 14.2301 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 10.2939, 15.3778, 14.2301 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 10.2939, 15.3778, 14.2301

Background



This preview shows how black text looks on a background with the XYZ color 10.2939, 15.3778, 14.2301.



This preview shows how white text looks on a background with the XYZ color 10.2939, 15.3778,

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

10.2939, 15.3778, 14.2301

Protanopia

14.2338, 15.0752, 12.2848

Deuteranopia

15.3849, 15.1474, 14.9448



Tritanopia

12.0056, 15.3561, 22.7533

Trichromacy



Original Color

10.2939, 15.3778, 14.2301

Protanomaly

12.0905, 14.7603, 13.0383

Deuteranomaly

12.5969, 14.6553, 14.7352

Tritanomaly

11.2239, 15.2081, 19.1735

Monochromacy



Original Color

10.2939, 15.3778, 14.2301

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.2698, 12.5440, 13.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2939, 15.3778, 14.2301 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(45, 122, 99)` looks like.

```
.text, #text, p{  
    color:rgb(45, 122, 99)  
}
```

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(45, 122, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 122, 99) }
```

Border

The CSS property to change the border of an element to XYZ 10.2939, 15.3778, 14.2301 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(45, 122, 99) }
```


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

```
.border{ border-color:rgb(45, 122, 99) }
```

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

Here you see how a box with a 4 pixel rgb(45, 122, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 122, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 122, 99);  
box-shadow:4px 4px 4px 4px rgb(45, 122,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2939, 15.3778, 14.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 122, 99) }
```

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

```
.background{ background-color: rgb(45, 122,  
99) }
```

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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