

Converting Colors

XYZ(10.0628, 15.7488, 16.8474)

Have a look what the booklet for
XYZ(10.0628, 15.7488, 16.8474)
contains.

XYZ(10.0939, 15.7714, 16.9802)	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(10.0939, 15.7714,
16.9802)**

Conversions

Conversions Part 1

Format	Color
Hex	007D6D
RGB	0, 125, 109
RGB Percent	0%, 49%, 43%
CMY	1.0000, 0.5098, 0.5725
CMYK	1.00, 0.00, 0.13, 0.51
HSL	172°, 100%, 25%
HSV	172°, 100%, 49%
XYZ	10.0939, 15.7714, 16.9802
YIQ	85.8010, -69.3640, -31.4760

Conversions

Conversions Part 2

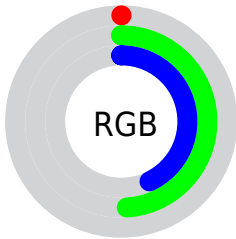
Format	Color
RYB	0, 67, 125
Decimal	32109
CIELab	46.67, -33.36, 0.40
CIELCh	47, 33.366, 179.305
Yxy	15.7714, 0.2356, 0.3681
Android (android.graphics.Color)	4278222189 (0xFF007D6D)
YUV	85.8010, 11.4371, -75.2475
Hunter-Lab	39.7132, -24.1288, 2.4486

Details

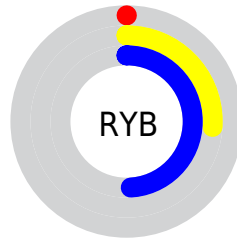
The XYZ color **10.0939, 15.7714, 16.9802** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.5514, 4.3977, 0.8886**, and the grayscale version is **8.7908, 9.2486, 10.0718**.

A 20% lighter version of the original color is **25.4900, 36.0411, 38.8709**, and **3.3856, 5.3800, 5.4174** is the 20% darker color. If you saturate the color by 10%, you get **10.0942, 15.7720, 16.9804**, and if you desaturate by 10%, it is **10.3400, 15.8886, 17.4459**.

Distribution



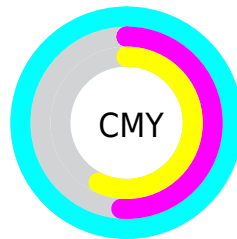
- Red (0%)
- Green (49%)
- Blue (43%)



- Red (0%)
- Yellow (26%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0939, 15.7714, 16.9802 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 10.0939, 15.7714, 16.9802 by changing the saturation by 10% instead.


 10.0939, 15.7714,
16.9802


 10.0939, 15.7714,
16.9802

185.3806,
227.9890, 247.0983


 5.5240, 9.3625,
10.0586


 25.6200, 36.2009,
39.0819


 2.5958, 4.9784,
5.3317

 37.3070, 50.9903,
55.0991

 0.9438, 2.2346,
2.3810

 52.0970, 69.3420,
74.9852

 0.0000, 0.7388,
0.7761

 70.3555, 91.6404,
99.1587

 0.0000, 0.0000,
0.0000

 92.4477, 118.2699,
128.0383

 118.7391,

149.6149, 162.0424

149.5949,
186.0598, 201.5895

■ 10.0939, 15.7714,
16.9802

■ 10.0939, 15.7714,
16.9802

■ 10.0942, 15.7720,
16.9804

■ 10.3400, 15.8886,
17.4459

■ 10.6708, 16.0489,
17.9235

■ 11.1411, 16.2810,
18.4158

■ 11.7673, 16.5932,
18.9238

■ 12.5634, 16.9928,
19.4480

■ 13.5420, 17.4863,
19.9892

■ 14.7144, 18.0795,
20.5480

■ 16.0909, 18.7778,
21.1247

■ 17.6812, 19.5861,
21.7200

Harmonies

Analogous

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



10.7033, 15.7714, 10.2648



10.0939, 15.7714, 16.9802



10.6496, 15.7714, 26.1946

Triad

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



10.0939, 15.7714, 16.9802



17.8766, 15.7714, 35.1146



18.0081, 15.7714, 6.8041

Complementary

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



10.0939, 15.7714, 16.9802



8.5514, 4.3977, 0.8886

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.



20.3743, 15.7714, 10.5037



10.0939, 15.7714, 16.9802



20.2918, 15.7714, 26.6398

Square

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



10.0939, 15.7714, 16.9802



14.9230, 15.7714, 38.4955



21.2585, 15.7714, 17.3660



15.0577, 15.7714, 5.6718

Rectangle

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



10.0939, 15.7714, 16.9802



11.6524, 15.7714, 32.2774



21.2585, 15.7714, 17.3660



18.9114, 15.7714, 7.7147

Sweetspot

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



10.0944, 15.7720, 16.9806



26.1835, 32.2910, 36.7208



7.5593, 14.7840, 2.4553



5.7843, 7.2582, 8.2737



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.0944, 15.7720, 16.9806



18.0384, 28.2277, 30.2105



6.5102, 7.0973, 20.4296



4.4235, 4.8777, 5.4013



10.5332, 16.4599, 17.7124



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.5514, 4.3977, 0.8886



15.2796, 7.8614, 1.4163



9.4285, 6.3015, 0.7195



4.3485, 4.3525, 4.6395



8.9230, 4.5889, 0.9184



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0939, 15.7714, 16.9802 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 10.0939, 15.7714, 16.9802 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 10.0939, 15.7714, 16.9802

Background



This preview shows how black text looks on a background with the XYZ color 10.0939, 15.7714, 16.9802.



This preview shows how white text looks on a background with the XYZ color 10.0939, 15.7714,

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

10.0939, 15.7714, 16.9802

Protanopia

14.8643, 15.6689, 14.5529

Deuteranopia

15.9841, 15.7007, 17.8109



Tritanopia

11.7841, 15.9251, 24.2826

Trichromacy



Original Color

10.0939, 15.7714, 16.9802

Protanomaly

11.3771, 14.6774, 15.3301

Deuteranomaly

11.9224, 14.7410, 17.5461

Tritanomaly

11.0519, 15.7917, 21.5344

Monochromacy



Original Color

10.0939, 15.7714, 16.9802

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.1531, 10.7347, 12.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0939, 15.7714, 16.9802 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, 125, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 109)  
}
```

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, 125, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.0939, 15.7714, 16.9802 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, 125, 109) }
```


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

```
.border{ border-color:rgb(0, 125, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0939, 15.7714, 16.9802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 109) }
```

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

```
.background{ background-color: rgb(0, 125,  
109) }
```

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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