

Converting Colors

XYZ(7.9435, 10.9587, 17.8409)

Have a look what the booklet for
XYZ(7.9435, 10.9587, 17.8409)
contains.

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Color

**XYZ(7.9448, 10.9383,
17.9122)**

Conversions

Conversions Part 1

Format	Color
Hex	006773
RGB	0, 103, 115
RGB Percent	0%, 40%, 45%
CMY	0.9999, 0.5961, 0.5490
CMYK	1.00, 0.10, 0.00, 0.55
HSL	186°, 100%, 23%
HSV	186°, 100%, 45%
XYZ	7.9448, 10.9383, 17.9122
YIQ	73.5710, -65.2400, -18.1040

Conversions

Conversions Part 2

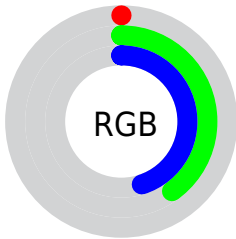
Format	Color
RYB	0, 54, 115
Decimal	26483
CIELab	39.48, -20.50, -13.94
CIELCh	39, 24.794, 214.206
Yxy	10.9383, 0.2159, 0.2973
Android (android.graphics.Color)	4278216563 (0xFF006773)
YUV	73.5710, 20.4245, -64.5218
Hunter-Lab	33.0731, -14.9988, -8.9600

Details

The XYZ color **7.9448, 10.9383, 17.9122** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2021, 3.9083, 0.3753**, and the grayscale version is **6.4075, 6.7412, 7.3411**.

A 20% lighter version of the original color is **21.5111, 27.4377, 40.7215**, and **2.4273, 3.2336, 5.8064** is the 20% darker color. If you saturate the color by 10%, you get **7.9447, 10.9382, 17.9124**, and if you desaturate by 10%, it is **8.2101, 11.2538, 17.9593**.

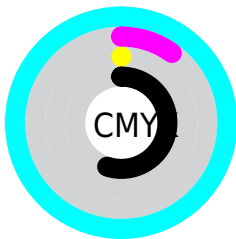
Distribution



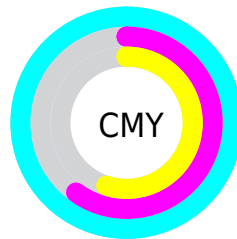
- Red (0%)
- Green (40%)
- Blue (45%)



- Red (0%)
- Yellow (21%)
- Blue (45%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.9448, 10.9383, 17.9122 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 7.9448, 10.9383, 17.9122 by changing the saturation by 10% instead.

7.9448, 10.9383,
17.9122

7.9448, 10.9383,
17.9122

169.6778,
197.2438, 252.5952

4.1112, 6.0254,
10.7182

21.5366, 27.5460,
40.6996

1.7652, 2.8605,
5.7659

32.0255, 40.0096,
57.1300

0.4966, 1.0593,
2.6368

45.4635, 55.7588,
77.4763

0.0000, 0.0000,
0.9113

62.2160, 75.1781,
102.1571

0.0000, 0.0000,
0.0000

82.6483, 98.6519,
131.5908

107.1258,

126.5644, 166.1960

136.0138,
159.3003, 206.3913

7.9448, 10.9383,
17.9122

7.9448, 10.9383,
17.9122

7.9447, 10.9382,
17.9124

8.2101, 11.2538,
17.9593

8.5409, 11.6053,
18.0097

8.9877, 12.0193,
18.0661

9.5638, 12.5024,
18.1290

10.2804, 13.0607,
18.1990

■ 11.1478, 13.6992,
18.2765

■ 12.1752, 14.4228,
18.3620

■ 13.3709, 15.2358,
18.4559

■ 14.7428, 16.1422,
18.5586

Harmonies

Analogous

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



7.4933, 10.9383, 12.6023



7.9448, 10.9383, 17.9122



9.0519, 10.9383, 22.3465

Triad

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



7.9448, 10.9383, 17.9122



13.5885, 10.9383, 16.4117



10.1611, 10.9383, 4.8553

Complementary

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



7.9448, 10.9383, 17.9122



7.2021, 3.9083, 0.3753

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.



11.8682, 10.9383, 5.3658



7.9448, 10.9383, 17.9122



13.9667, 10.9383, 11.2435

Square

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



7.9448, 10.9383, 17.9122



12.3226, 10.9383, 21.3289



13.3069, 10.9383, 7.4252



8.6824, 10.9383, 5.7750

Rectangle

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



7.9448, 10.9383, 17.9122



10.0735, 10.9383, 23.7049



13.3069, 10.9383, 7.4252



10.7264, 10.9383, 4.8676

Sweetspot

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



7.9452, 10.9387, 17.9125



21.6429, 25.7165, 32.8676



6.1945, 12.2871, 2.3777



5.0105, 6.0285, 7.8285



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



7.9452, 10.9387, 17.9125



14.1704, 19.4746, 32.0566



4.0722, 3.1928, 16.6215



3.7523, 4.0932, 4.6825



9.0734, 12.4865, 20.4745



43.8472, 60.1111, 99.6519

Inverse Universe

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



9.5188, 4.6246, 13.2232



17.0162, 8.2690, 23.5285



9.1990, 7.9021, 1.0409



3.8110, 3.7517, 4.5313



10.8770, 5.2845, 15.0922



52.8188, 25.6776, 72.5663

Previews

White Background



This preview shows how the XYZ color 7.9448, 10.9383, 17.9122 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 7.9448, 10.9383, 17.9122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

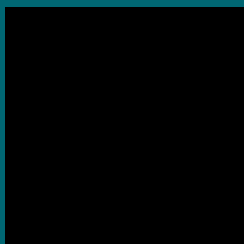
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 7.9448, 10.9383, 17.9122

Background



This preview shows how black text looks on a background with the XYZ color 7.9448, 10.9383, 17.9122.

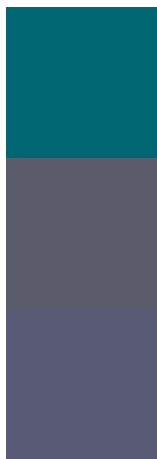


This preview shows how white text looks on a background with the XYZ color 7.9448, 10.9383,

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

7.9448, 10.9383, 17.9122

Protanopia

10.7504, 10.9107, 15.7267

Deuteranopia

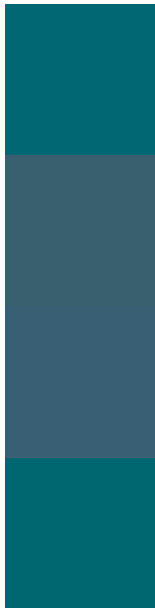
11.1309, 10.9140, 18.6595



Tritanopia

7.7749, 10.8703, 17.0176

Trichromacy



Original Color

7.9448, 10.9383, 17.9122

Protanomaly

8.7395, 10.3833, 16.5825

Deuteranomaly

8.9904, 10.3386, 18.3513

Tritanomaly

7.8309, 10.8928, 17.3126

Monochromacy



Original Color

7.9448, 10.9383, 17.9122

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

6.2240, 7.8226, 10.6331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9448, 10.9383, 17.9122 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, 103, 115)` looks like.

```
.text, #text, p{  
  color:rgb(0, 103, 115)  
}
```

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, 103, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 115) }
```

Border

The CSS property to change the border of an element to XYZ 7.9448, 10.9383, 17.9122 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, 103, 115) }
```


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

```
.border{ border-color:rgb(0, 103, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9448, 10.9383, 17.9122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 115) }
```

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

```
.background{ background-color: rgb(0, 103,  
115) }
```

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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