

Converting Colors

XYZ(3.7410, 12.7243, 16.7231)

Have a look what the booklet for
XYZ(3.7410, 12.7243, 16.7231)
contains.

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Color

**XYZ(10.2212, 16.0258,
17.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	007E6D
RGB	0, 126, 109
RGB Percent	0%, 49%, 43%
CMY	0.9999, 0.5059, 0.5725
CMYK	1.00, 0.00, 0.13, 0.51
HSL	172°, 100%, 25%
HSV	172°, 100%, 49%
XYZ	10.2212, 16.0258, 17.0226
YIQ	86.3880, -69.6390, -31.9990

Conversions

Conversions Part 2

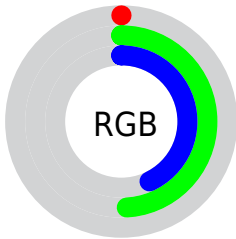
Format	Color
RYB	0, 68, 126
Decimal	32365
CIELab	47.01, -33.82, 0.89
CIELCh	47, 33.829, 178.487
Yxy	16.0258, 0.2362, 0.3704
Android (android.graphics.Color)	4278222445 (0xFF007E6D)
YUV	86.3880, 11.1477, -75.7623
Hunter-Lab	40.0322, -24.4810, 2.8111

Details

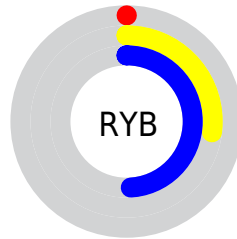
The XYZ color **10.2212, 16.0258, 17.0226** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.7059, 4.4766, 0.9362**, and the grayscale version is **8.9167, 9.3811, 10.2160**.

A 20% lighter version of the original color is **25.7735, 36.4837, 38.9414**, and **3.4539, 5.5167, 5.4402** is the 20% darker color. If you saturate the color by 10%, you get **10.2213, 16.0263, 17.0224**, and if you desaturate by 10%, it is **10.4743, 16.1460, 17.5173**.

Distribution



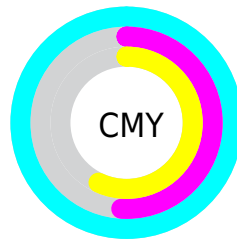
- Red (0%)
- Green (49%)
- Blue (43%)



- Red (0%)
- Yellow (27%)
- 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 10.2212, 16.0258, 17.0226 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 10.2212, 16.0258, 17.0226 by changing the saturation by 10% instead.

■ 10.2212, 16.0258,
17.0226

■ 10.2212, 16.0258,
17.0226

186.2644,
229.4939, 247.3509

■ 5.6093, 9.5424,
10.0885

■ 25.8566, 36.6430,
39.1558

■ 2.6474, 5.0966,
5.3513

■ 37.6109, 51.5456,
55.1920

■ 0.9701, 2.3041,
2.3925

■ 52.4765, 70.0234,
75.0992

■ 0.0000, 0.7759,
0.7824

■ 70.8191, 92.4607,
99.2962

■ 0.0000, 0.0000,
0.0000

■ 93.0037, 119.2421,
128.2012

■ 119.3960,

150.7518, 162.2330

150.3611,
187.3743, 201.8101

■ 10.2212, 16.0258,
17.0226

■ 10.2212, 16.0258,
17.0226

■ 10.2213, 16.0263,
17.0224

■ 10.4743, 16.1460,
17.5173

■ 10.8144, 16.3104,
18.0250

■ 11.2967, 16.5480,
18.5487

■ 11.9380, 16.8673,
19.0893

■ 12.7526, 17.2757,
19.6474

■ 13.7532, 17.7798,
20.2237

■ 14.9514, 18.3856,
20.8188

■ 16.3579, 19.0985,
21.4332

■ 17.9823, 19.9236,
22.0675

Harmonies

Analogous

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



10.8766, 16.0258, 10.2405



10.2212, 16.0258, 17.0226



10.7570, 16.0258, 26.4365

Triad

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



10.2212, 16.0258, 17.0226



18.1114, 16.0258, 36.0560



18.4050, 16.0258, 6.9151

Complementary

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



10.2212, 16.0258, 17.0226



8.7059, 4.4766, 0.9362

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.



20.8025, 16.0258, 10.7719



10.2212, 16.0258, 17.0226



20.6181, 16.0258, 27.4318

Square

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



10.2212, 16.0258, 17.0226



15.0823, 16.0258, 39.3439



21.6599, 16.0258, 17.8832



15.3828, 16.0258, 5.7001

Rectangle

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



10.2212, 16.0258, 17.0226



11.7624, 16.0258, 32.7234



21.6599, 16.0258, 17.8832



19.3246, 16.0258, 7.8679

Sweetspot

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



10.2217, 16.0264, 17.0230



26.1546, 32.2794, 36.5686



7.7281, 15.0598, 2.5000



5.7771, 7.2553, 8.2354



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.



10.2217, 16.0264, 17.0230



17.9537, 28.1938, 29.7643



6.7765, 7.5271, 20.8350



4.4223, 4.8772, 5.3948



10.4847, 16.4404, 17.4569



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7059, 4.4766, 0.9362



15.2903, 7.8657, 1.4725



9.5094, 6.2454, 0.7048



4.3496, 4.3530, 4.6454



8.9298, 4.5916, 0.9544



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.2212, 16.0258, 17.0226 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 10.2212, 16.0258, 17.0226 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 10.2212, 16.0258, 17.0226

Background



This preview shows how black text looks on a background with the XYZ color 10.2212, 16.0258, 17.0226.



This preview shows how white text looks on a background with the XYZ color 10.2212, 16.0258,

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

10.2212, 16.0258, 17.0226

Protanopia

15.1036, 15.9533, 14.5952

Deuteranopia

16.2284, 15.9823, 17.8524



Tritanopia

11.9763, 16.1995, 24.6859

Trichromacy



Original Color

10.2212, 16.0258, 17.0226

Protanomaly

11.4917, 14.9067, 15.3683

Deuteranomaly

12.1159, 15.0091, 17.5877

Tritanomaly

11.1766, 16.0411, 21.5760

Monochromacy



Original Color

10.2212, 16.0258, 17.0226

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.2496, 10.9277, 12.2641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2212, 16.0258, 17.0226 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, 126, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 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, 126, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.2212, 16.0258, 17.0226 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, 126, 109) }
```


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

```
.border{ border-color:rgb(0, 126, 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, 126, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2212, 16.0258, 17.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 109) }
```

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

```
.background{ background-color: rgb(0, 126,  
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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