

Converting Colors

XYZ(7.8880, 12.0164, 14.2198)

Have a look what the booklet for
XYZ(7.8880, 12.0164, 14.2198)
contains.

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Color

**XYZ(7.9249, 12.0914,
14.2281)**

Conversions

Conversions Part 1

Format	Color
Hex	006E65
RGB	0, 110, 101
RGB Percent	0%, 43%, 40%
CMY	0.9999, 0.5686, 0.6039
CMYK	1.00, 0.00, 0.08, 0.57
HSL	175°, 100%, 22%
HSV	175°, 100%, 43%
XYZ	7.9249, 12.0914, 14.2281
YIQ	76.0840, -62.6710, -26.1190

Conversions

Conversions Part 2

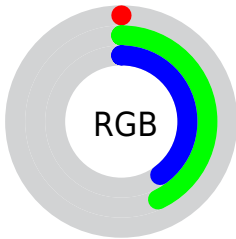
Format	Color
RYB	0, 57, 110
Decimal	28261
CIELab	41.36, -28.81, -2.59
CIELCh	41, 28.927, 185.141
Yxy	12.0914, 0.2314, 0.3531
Android (android.graphics.Color)	4278218341 (0xFF006E65)
YUV	76.0840, 12.2836, -66.7257
Hunter-Lab	34.7727, -20.1710, 0.0809

Details

The XYZ color **7.9249, 12.0914, 14.2281** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.4801, 3.3351, 0.5610**, and the grayscale version is **6.8722, 7.2301, 7.8735**.

A 20% lighter version of the original color is **21.4895, 29.6035, 34.2872**, and **2.3346, 3.6038, 4.0626** is the 20% darker color. If you saturate the color by 10%, you get **7.9250, 12.0918, 14.2281**, and if you desaturate by 10%, it is **8.1076, 12.1808, 14.4684**.

Distribution



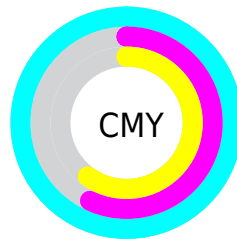
- Red (0%)
- Green (43%)
- Blue (40%)



- Red (0%)
- Yellow (22%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (57%)





- Cyan (100%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.9249, 12.0914, 14.2281 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 7.9249, 12.0914, 14.2281 by changing the saturation by 10% instead.


 7.9249, 12.0914,
14.2281


 7.9249, 12.0914,
14.2281


169.5245,
205.0094, 230.1228


 4.0983, 6.8060,
8.1389


 21.4979, 29.6615,
34.2161


 1.7579, 3.3410,
4.0949

 31.9751, 42.7149,
48.9521


 0.4921, 1.3123,
1.6776

 45.3998, 59.1264,
67.4074

 0.0000, 0.1507,
0.3453

 62.1375, 79.2804,
90.0006

 0.0000, 0.0000,
0.0000

 82.5534, 103.5613,
117.1501

 107.0130,

132.3536, 149.2747

135.8816,
166.0415, 186.7927

7.9249, 12.0914,
14.2281

7.9249, 12.0914,
14.2281

7.9250, 12.0918,
14.2281

8.1076, 12.1808,
14.4684

8.3455, 12.2982,
14.7136

8.6873, 12.4691,
14.9662

9.1447, 12.6997,
15.2268

9.7281, 12.9951,
15.4958

■ 10.4463, 13.3599,
15.7736

■ 11.3076, 13.7984,
16.0608

■ 12.3195, 14.3146,
16.3575

■ 13.4891, 14.9120,
16.6642

Harmonies

Analogous

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



8.2072, 12.0914, 8.8817



7.9249, 12.0914, 14.2281



8.4994, 12.0914, 20.9974

Triad

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



7.9249, 12.0914, 14.2281



13.9742, 12.0914, 25.0521



13.2730, 12.0914, 5.2191

Complementary

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



7.9249, 12.0914, 14.2281



6.4801, 3.3351, 0.5610

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.



15.1168, 12.0914, 7.5726



7.9249, 12.0914, 14.2281



15.5549, 12.0914, 18.6436

Square

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



7.9249, 12.0914, 14.2281



11.8578, 12.0914, 28.3490



15.9964, 12.0914, 12.1571



11.1348, 12.0914, 4.6859

Rectangle

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



7.9249, 12.0914, 14.2281



9.3377, 12.0914, 25.1023



15.9964, 12.0914, 12.1571



13.9557, 12.0914, 5.7791

Sweetspot

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



7.9253, 12.0919, 14.2284



19.7253, 24.1647, 28.1636



5.6911, 11.2114, 1.8645



4.4752, 5.5647, 6.5168



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.9253, 12.0919, 14.2284



13.8970, 21.2267, 24.8781



4.6579, 4.8122, 15.4356



3.4638, 3.8107, 4.2485



9.5152, 14.5236, 17.0658



47.2480, 72.2879, 84.2145

Inverse Universe

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



6.4801, 3.3351, 0.5610



11.3575, 5.8476, 0.8679



7.4015, 5.2568, 0.6249



3.3946, 3.4055, 3.6045



7.7787, 4.0038, 0.6445



38.6098, 19.8892, 2.4772

Previews

White Background



This preview shows how the XYZ color 7.9249, 12.0914, 14.2281 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 7.9249, 12.0914, 14.2281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

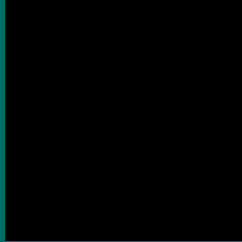
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.9249, 12.0914, 14.2281

Background



This preview shows how black text looks on a background with the XYZ color 7.9249, 12.0914, 14.2281.



This preview shows how white text looks on a background with the XYZ color 7.9249, 12.0914,

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

7.9249, 12.0914, 14.2281

Protanopia

11.5506, 12.0669, 12.3100

Deuteranopia

12.2998, 12.1270, 14.7892



Tritanopia

8.9669, 12.2191, 18.4089

Trichromacy



Original Color

7.9249, 12.0914, 14.2281

Protanomaly

9.0234, 11.4558, 13.0449

Deuteranomaly

9.2521, 11.2519, 14.5162

Tritanomaly

8.5690, 12.2041, 16.9429

Monochromacy



Original Color

7.9249, 12.0914, 14.2281

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.3483, 8.2637, 9.8548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9249, 12.0914, 14.2281 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, 110, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 101)  
}
```

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, 110, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 101) }
```

Border

The CSS property to change the border of an element to XYZ 7.9249, 12.0914, 14.2281 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, 110, 101) }
```


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

```
.border{ border-color:rgb(0, 110, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 7.9249, 12.0914, 14.2281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 101) }
```

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

```
.background{ background-color: rgb(0, 110,  
101) }
```

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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