

Converting Colors

XYZ(1.0749, 10.2386, 17.4681)

Have a look what the booklet for
XYZ(1.0749, 10.2386, 17.4681)
contains.

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Color

**XYZ(9.6971, 14.6252,
17.9346)**

Conversions

Conversions Part 1

Format	Color
Hex	007871
RGB	0, 120, 113
RGB Percent	0%, 47%, 44%
CMY	1.0000, 0.5294, 0.5569
CMYK	1.00, 0.00, 0.06, 0.53
HSL	176°, 100%, 24%
HSV	176°, 100%, 47%
XYZ	9.6971, 14.6252, 17.9346
YIQ	83.3220, -69.2730, -27.6170

Conversions

Conversions Part 2

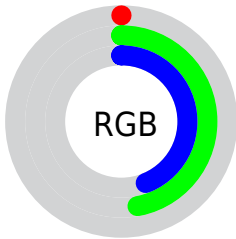
Format	Color
RYB	0, 62, 120
Decimal	30833
CIELab	45.12, -29.80, -4.26
CIElCh	45, 30.101, 188.135
Yxy	14.6252, 0.2295, 0.3461
Android (android.graphics.Color)	4278220913 (0xFF007871)
YUV	83.3220, 14.6313, -73.0734
Hunter-Lab	38.2429, -21.6636, -1.0349

Details

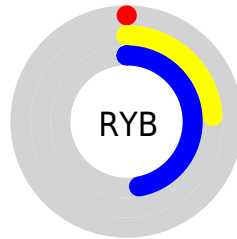
The XYZ color **9.6971, 14.6252, 17.9346** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.7845, 4.0088, 0.5649**, and the grayscale version is **8.2697, 8.7004, 9.4747**.

A 20% lighter version of the original color is **24.9596, 34.2660, 40.8958**, and **3.2074, 4.8881, 5.7755** is the 20% darker color. If you saturate the color by 10%, you get **9.6973, 14.6257, 17.9347**, and if you desaturate by 10%, it is **9.8888, 14.7198, 18.1505**.

Distribution



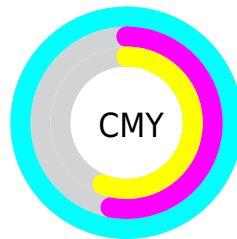
- Red (0%)
- Green (47%)
- Blue (44%)



- Red (0%)
- Yellow (24%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (53%)



- Cyan (100%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6971, 14.6252, 17.9346 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 9.6971, 14.6252, 17.9346 by changing the saturation by 10% instead.

9.6971, 14.6252,
17.9346

9.6971, 14.6252,
17.9346

182.5955,
221.0863, 252.7259

5.2593, 8.5568,
10.7341

24.8791, 34.1943,
40.7383

2.4365, 4.4532,
5.7764

36.3540, 48.4638,
57.1785

0.8634, 1.9302,
2.6430

50.9053, 66.2357,
77.5358

0.0000, 0.5664,
0.9145

68.8984, 87.8945,
102.2286

0.0000, 0.0000,
0.0000

90.6986, 113.8246,
131.6754

116.6713,

144.4103, 166.2949

147.1818,
180.0361, 206.5056

■ 9.6971, 14.6252,
17.9346

■ 9.6971, 14.6252,
17.9346

■ 9.6973, 14.6257,
17.9347

■ 9.8888, 14.7198,
18.1505

■ 10.1538, 14.8518,
18.3711

■ 10.5451, 15.0488,
18.5992

■ 11.0771, 15.3184,
18.8355

■ 11.7626, 15.6671,
19.0805

■ 12.6130, 16.1007,
19.3349

■ 13.6383, 16.6245,
19.5991

■ 14.8480, 17.2433,
19.8735

■ 16.2507, 17.9616,
20.1586

Harmonies

Analogous

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



9.9309, 14.6252, 11.3635



9.6971, 14.6252, 17.9346



10.4795, 14.6252, 25.9256

Triad

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



9.6971, 14.6252, 17.9346



17.0559, 14.6252, 29.2510



15.7520, 14.6252, 6.3201

Complementary

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



9.6971, 14.6252, 17.9346



7.7845, 4.0088, 0.5649

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.



17.9958, 14.6252, 8.8963



9.6971, 14.6252, 17.9346



18.8087, 14.6252, 21.5667

Square

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



9.6971, 14.6252, 17.9346



14.5861, 14.6252, 33.6145



19.1717, 14.6252, 14.0702



13.2374, 14.6252, 5.8750

Rectangle

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



9.6971, 14.6252, 17.9346



11.5339, 14.6252, 30.5540



19.1717, 14.6252, 14.0702



16.5712, 14.6252, 6.9186

Sweetspot

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



9.6975, 14.6257, 17.9350



23.8411, 29.1643, 34.4349



6.8171, 13.4851, 2.2439



5.4977, 6.8338, 8.1228



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.



9.6975, 14.6257, 17.9350



17.0384, 25.7163, 31.4536



5.4579, 5.4912, 18.5421



4.0975, 4.5086, 5.0470



10.5771, 15.9545, 19.5557



50.3434, 76.0604, 92.7012

Inverse Universe

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



7.7845, 4.0088, 0.5649



13.6731, 7.0430, 0.8994



8.9744, 6.4499, 0.7723



4.0069, 4.0185, 4.2341



8.4901, 4.3722, 0.6058



40.3924, 20.8133, 2.3304

Previews

White Background



This preview shows how the XYZ color 9.6971, 14.6252, 17.9346 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 9.6971, 14.6252, 17.9346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

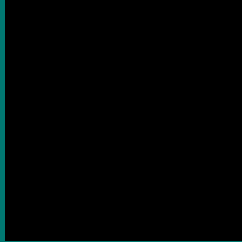
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6971, 14.6252, 17.9346

Background



This preview shows how black text looks on a background with the XYZ color 9.6971, 14.6252, 17.9346.



This preview shows how white text looks on a background with the XYZ color 9.6971, 14.6252, 17.9346.

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

9.6971, 14.6252, 17.9346

Protanopia

14.0105, 14.5792, 15.4402

Deuteranopia

14.8433, 14.6297, 18.8711



Tritanopia

10.7612, 14.7222, 22.3532

Trichromacy



Original Color

9.6971, 14.6252, 17.9346

Protanomaly

10.8455, 13.7168, 16.2633

Deuteranomaly

11.3268, 13.7524, 18.5805

Tritanomaly

10.3408, 14.7180, 20.7082

Monochromacy



Original Color

9.6971, 14.6252, 17.9346

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

7.6714, 9.9308, 12.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6971, 14.6252, 17.9346 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, 120, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 113)  
}
```

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, 120, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 113) }
```

Border

The CSS property to change the border of an element to XYZ 9.6971, 14.6252, 17.9346 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, 120, 113) }
```


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

```
.border{ border-color:rgb(0, 120, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6971, 14.6252, 17.9346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 113) }
```

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

```
.background{ background-color: rgb(0, 120,  
113) }
```

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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