

Converting Colors

XYZ(17.3183, 29.4219, 21.8743)

Have a look what the booklet for
XYZ(17.3183, 29.4219, 21.8743)
contains.

XYZ(17.2726, 29.3133, 21.8872)	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(17.2726, 29.3133,
21.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	00A876
RGB	0, 168, 118
RGB Percent	0%, 66%, 46%
CMY	1.0000, 0.3412, 0.5372
CMYK	1.00, 0.00, 0.30, 0.34
HSL	162°, 100%, 33%
HSV	162°, 100%, 66%
XYZ	17.2726, 29.3133, 21.8872
YIQ	112.0680, -84.0780, -51.1660

Conversions

Conversions Part 2

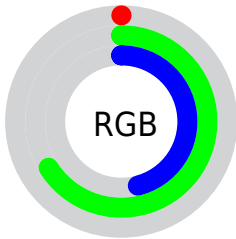
Format	Color
RYB	0, 99, 168
Decimal	43126
CIELab	61.06, -48.93, 15.70
CIELCh	61, 51.389, 162.212
Yxy	29.3133, 0.2523, 0.4281
Android (android.graphics.Color)	4278233206 (0xFF00A876)
YUV	112.0680, 2.9245, -98.2836
Hunter-Lab	54.1418, -37.8020, 13.9308

Details

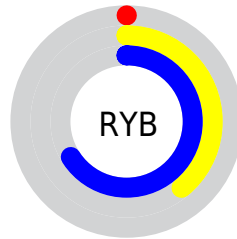
The XYZ color **17.2726, 29.3133, 21.8872** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.7251, 8.5557, 3.7885**, and the grayscale version is **15.4315, 16.2351, 17.6800**.

A 20% lighter version of the original color is **38.2257, 58.4377, 47.2951**, and **7.2049, 12.6911, 7.7001** is the 20% darker color. If you saturate the color by 10%, you get **17.2732, 29.3144, 21.8872**, and if you desaturate by 10%, it is **17.8062, 29.5539, 23.5055**.

Distribution



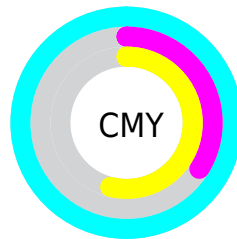
- Red (0%)
- Green (66%)
- Blue (46%)



- Red (0%)
- Yellow (39%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2726, 29.3133, 21.8872 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 17.2726, 29.3133, 21.8872 by changing the saturation by 10% instead.

■ 17.2726, 29.3133,
21.8872

■ 17.2726, 29.3133,
21.8872

229.8642,
298.6903, 274.8909

■ 10.5255, 19.3180,
13.5765

■ 38.3338, 58.5745,
47.4593

■ 5.8137, 11.9002,
7.6913

■ 53.3786, 78.6091,
65.5578

■ 2.7717, 6.6758,
3.8132

■ 71.9200, 102.7590,
87.7559

■ 1.0342, 3.2602,
1.5234

■ 94.3235, 131.4084,
114.4723

■ 0.0000, 1.2690,
0.2353

■ 120.9542,
164.9419, 146.1255

■ 0.0000, 0.1170,
0.0000

■ 152.1777,

■ 0.0000, 0.0000,

203.7438, 183.1339

0.0000

188.3592,
248.1985, 225.9162

■ 17.2726, 29.3133,
21.8872

■ 17.2726, 29.3133,
21.8872

■ 17.2732, 29.3144,
21.8872

■ 17.8062, 29.5539,
23.5055

■ 18.5465, 29.8984,
25.2163

■ 19.5726, 30.3884,
27.0252

■ 20.9199, 31.0421,
28.9350

■ 22.6183, 31.8749,
30.9483

■ 24.6943, 32.9003,
33.0674

■ 27.1716, 34.1307,
35.2946

■ 30.0721, 35.5772,
37.6319

■ 33.4160, 37.2503,
40.0814

Harmonies

Analogous

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



20.0446, 29.3133, 11.5940



17.2726, 29.3133, 21.8872



17.0370, 29.3133, 40.4102

Triad

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



17.2726, 29.3133, 21.8872



30.6875, 29.3133, 83.5245



38.5792, 29.3133, 12.9399

Complementary

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



17.2726, 29.3133, 21.8872



16.7251, 8.5557, 3.7885

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.



42.5084, 29.3133, 24.7062



17.2726, 29.3133, 21.8872



37.4847, 29.3133, 67.9577

Square

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



17.2726, 29.3133, 21.8872



24.0946, 29.3133, 81.7663



42.0784, 29.3133, 44.6210



32.0017, 29.3133, 8.0454

Rectangle

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



17.2726, 29.3133, 21.8872



18.2897, 29.3133, 56.0102



42.0784, 29.3133, 44.6210



40.2977, 29.3133, 15.9655

Sweetspot

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



17.2734, 29.3145, 21.8879



49.0357, 61.7987, 63.8152



15.3387, 28.6949, 4.7304



10.2767, 13.2651, 13.5496



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2734, 29.3145, 21.8879



31.2450, 53.1538, 39.1973



15.6493, 19.9894, 40.0808



7.6510, 8.4934, 9.1482



13.0668, 22.1455, 16.6505



0.3388, 0.5471, 0.5150

Inverse Universe

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



16.7251, 8.5557, 3.7885



30.2658, 15.4915, 6.4373



16.7100, 9.4469, 0.9429



7.6196, 7.5777, 8.3139



12.6497, 6.4686, 2.9667



0.3300, 0.1663, 0.1891

Previews

White Background



This preview shows how the XYZ color 17.2726, 29.3133, 21.8872 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2726, 29.3133, 21.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

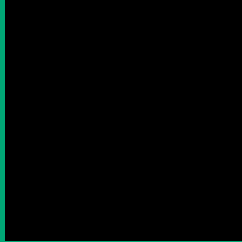
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2726, 29.3133, 21.8872

Background



This preview shows how black text looks on a background with the XYZ color 17.2726, 29.3133, 21.8872.



This preview shows how white text looks on a background with the XYZ color 17.2726, 29.3133,

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

17.2726, 29.3133, 21.8872

Protanopia

26.8903, 28.8086, 18.3307

Deuteranopia

29.3114, 28.8298, 23.0886



Tritanopia

22.0157, 29.3865, 44.5562

Trichromacy



Original Color

17.2726, 29.3133, 21.8872



Protanomaly

19.7358, 26.9904, 19.4987



Deuteranomaly

20.6429, 26.6642, 22.4711



Tritanomaly

19.8357, 29.2591, 35.1740

Monochromacy



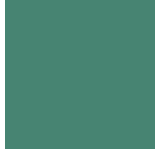
Original Color

17.2726, 29.3133, 21.8872



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.8871, 19.0570, 18.8660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2726, 29.3133, 21.8872 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, 168, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 118)  
}
```

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, 168, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 118) }
```

Border

The CSS property to change the border of an element to XYZ 17.2726, 29.3133, 21.8872 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, 168, 118) }
```


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

```
.border{ border-color:rgb(0, 168, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2726, 29.3133, 21.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 118) }
```

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

```
.background{ background-color: rgb(0, 168,  
118) }
```

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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