

Converting Colors

XYZ(17.7458, 29.7017, 23.7649)

Have a look what the booklet for
XYZ(17.7458, 29.7017, 23.7649)
contains.

XYZ(17.8261, 29.8312, 23.8872)	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(17.8261, 29.8312,
23.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	00A97C
RGB	0, 169, 124
RGB Percent	0%, 66%, 49%
CMY	0.9999, 0.3372, 0.5137
CMYK	1.00, 0.00, 0.27, 0.34
HSL	164°, 100%, 33%
HSV	164°, 100%, 66%
XYZ	17.8261, 29.8312, 23.8872
YIQ	113.3390, -86.2790, -49.8230

Conversions

Conversions Part 2

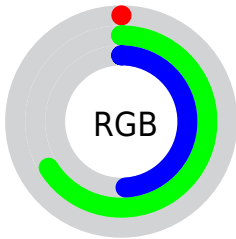
Format	Color
RYB	0, 97, 169
Decimal	43388
CIELab	61.51, -47.88, 13.01
CIELCh	62, 49.620, 164.798
Yxy	29.8312, 0.2492, 0.4170
Android (android.graphics.Color)	4278233468 (0xFF00A97C)
YUV	113.3390, 5.2559, -99.3983
Hunter-Lab	54.6179, -37.3229, 12.3020

Details

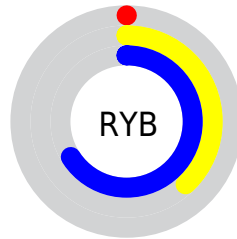
The XYZ color **17.8261, 29.8312, 23.8872** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.8370, 8.6254, 3.2621**, and the grayscale version is **15.8021, 16.6250, 18.1046**.

A 20% lighter version of the original color is **39.2747, 59.3001, 50.9710**, and **7.5154, 12.9988, 8.7695** is the 20% darker color. If you saturate the color by 10%, you get **17.8263, 29.8321, 23.8862**, and if you desaturate by 10%, it is **18.3476, 30.0672, 25.4323**.

Distribution



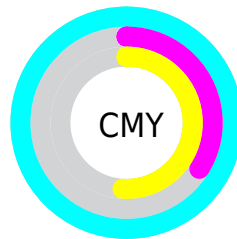
- Red (0%)
- Green (66%)
- Blue (49%)



- Red (0%)
- Yellow (38%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8261, 29.8312, 23.8872 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 17.8261, 29.8312, 23.8872 by changing the saturation by 10% instead.

■ 17.8261, 29.8312,
23.8872

■ 17.8261, 29.8312,
23.8872

232.9536,
301.1168, 285.5179

■ 10.9241, 19.7105,
15.0385

■ 39.2732, 59.3951,
50.7876

■ 6.0828, 12.1848,
8.6995

■ 54.5490, 79.6071,
69.6764

■ 2.9366, 6.8696,
4.4516

■ 73.3469, 103.9517,
92.7490

■ 1.1203, 3.3807,
1.8762

■ 96.0321, 132.8133,
120.4239

■ 0.0420, 1.3336,
0.4775

■ 122.9700,
166.5761, 153.1198

■ 0.0000, 0.1670,
0.0000

■ 154.5260,

■ 0.0000, 0.0000,

205.6248, 191.2550

0.0000

191.0654,
250.3435, 235.2482

■ 17.8261, 29.8312,
23.8872

■ 17.8261, 29.8312,
23.8872

■ 17.8263, 29.8321,
23.8862

■ 18.3476, 30.0672,
25.4323

■ 19.0761, 30.4075,
27.0551

■ 20.0912, 30.8942,
28.7609

■ 21.4288, 31.5454,
30.5522

■ 23.1191, 32.3770,
32.4313

■ 25.1889, 33.4026,
34.4002

■ 27.6624, 34.6346,
36.4608

■ 30.5616, 36.0845,
38.6150

■ 33.9069, 37.7628,
40.8645

Harmonies

Analogous

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



20.3511, 29.8312, 12.9774



17.8261, 29.8312, 23.8872



17.8092, 29.8312, 42.6263

Triad

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



17.8261, 29.8312, 23.8872



31.7043, 29.8312, 81.5233



38.2964, 29.8312, 13.0755

Complementary

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



17.8261, 29.8312, 23.8872



16.8370, 8.6254, 3.2621

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.



42.4061, 29.8312, 24.0887



17.8261, 29.8312, 23.8872



38.2194, 29.8312, 65.5141

Square

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



17.8261, 29.8312, 23.8872



25.1682, 29.8312, 81.4013



42.3759, 29.8312, 42.9226



31.7972, 29.8312, 8.5822

Rectangle

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



17.8261, 29.8312, 23.8872



19.1932, 29.8312, 57.8136



42.3759, 29.8312, 42.9226



40.0447, 29.8312, 15.8993

Sweetspot

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



17.8269, 29.8324, 23.8879



49.2778, 61.8956, 65.0903



15.2744, 28.9368, 4.7809



10.3355, 13.2886, 13.8592



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.



17.8269, 29.8324, 23.8879



31.8340, 53.3894, 42.2989



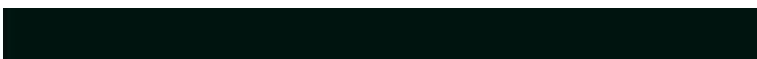
15.0879, 18.7168, 40.3550



7.6610, 8.4974, 9.2009



13.3084, 22.2421, 17.9227



0.3433, 0.5489, 0.5386

Inverse Universe

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



16.8370, 8.6254, 3.2621



30.0777, 15.4162, 5.4470



17.1032, 9.9160, 1.0131



7.6101, 7.5739, 8.2640



12.5673, 6.4356, 2.5331



0.3265, 0.1649, 0.1706

Previews

White Background



This preview shows how the XYZ color 17.8261, 29.8312, 23.8872 looks on a white background.

Color Contrast Check

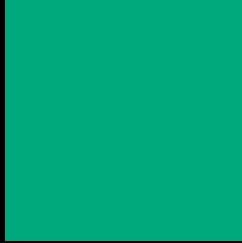
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8261, 29.8312, 23.8872 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 17.8261, 29.8312, 23.8872

Background



This preview shows how black text looks on a background with the XYZ color 17.8261, 29.8312, 23.8872.



This preview shows how white text looks on a background with the XYZ color 17.8261, 29.8312,

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

17.8261, 29.8312, 23.8872

Protanopia

27.5715, 29.3514, 20.1318

Deuteranopia

29.8507, 29.2825, 25.1979



Tritanopia

22.2337, 29.7480, 45.1275

Trichromacy



Original Color

17.8261, 29.8312, 23.8872



Protanomaly

20.3582, 27.5174, 21.3779



Deuteranomaly

21.1879, 27.1408, 24.5440



Tritanomaly

20.1490, 29.6679, 36.1170

Monochromacy



Original Color

17.8261, 29.8312, 23.8872



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.2709, 19.4371, 19.8292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8261, 29.8312, 23.8872 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, 169, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 124)  
}
```

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, 169, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 124) }
```

Border

The CSS property to change the border of an element to XYZ 17.8261, 29.8312, 23.8872 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, 169, 124) }
```


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

```
.border{ border-color:rgb(0, 169, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8261, 29.8312, 23.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 124) }
```

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

```
.background{ background-color: rgb(0, 169,  
124) }
```

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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