

Converting Colors

XYZ(17.0586, 28.1233, 29.7876)

Have a look what the booklet for
XYZ(17.0586, 28.1233, 29.7876)
contains.

XYZ(18.2629, 28.8334, 29.8021)	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(18.2629, 28.8334,
29.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	00A58D
RGB	0, 165, 141
RGB Percent	0%, 65%, 55%
CMY	0.9999, 0.3529, 0.4471
CMYK	1.00, 0.00, 0.15, 0.35
HSL	171°, 100%, 32%
HSV	171°, 100%, 65%
XYZ	18.2629, 28.8334, 29.8021
YIQ	112.9290, -90.6360, -42.4440

Conversions

Conversions Part 2

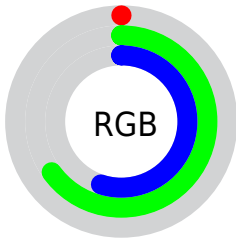
Format	Color
RYB	0, 89, 165
Decimal	42381
CIELab	60.63, -41.80, 2.27
CIELCh	61, 41.859, 176.887
Yxy	28.8334, 0.2375, 0.3750
Android (android.graphics.Color)	4278232461 (0xFF00A58D)
YUV	112.9290, 13.8390, -99.0387
Hunter-Lab	53.6967, -33.2593, 4.6813

Details

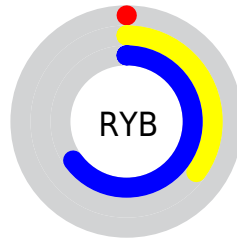
The XYZ color **18.2629, 28.8334, 29.8021** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.6830, 8.0662, 1.5959**, and the grayscale version is **15.6570, 16.4723, 17.9384**.

A 20% lighter version of the original color is **40.1204, 57.9283, 60.6965**, and **7.6825, 12.3437, 11.8752** is the 20% darker color. If you saturate the color by 10%, you get **18.2632, 28.8342, 29.8014**, and if you desaturate by 10%, it is **18.6668, 29.0214, 30.7643**.

Distribution



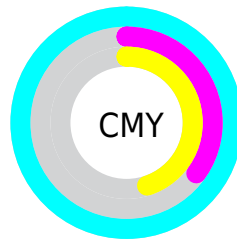
- Red (0%)
- Green (65%)
- Blue (55%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2629, 28.8334, 29.8021 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 18.2629, 28.8334, 29.8021 by changing the saturation by 10% instead.


 18.2629, 28.8334,
29.8021


 18.2629, 28.8334,
29.8021


235.3658,
296.4281, 315.1594


 11.2397, 18.9548,
19.4376


 40.0114, 57.8123,
60.4064


 6.2968, 11.6376,
11.8069


 55.4674, 77.6814,
81.4833


 3.0687, 6.4974,
6.4914


 74.4651, 101.6495,
106.9681

 1.1902, 3.1499,
3.0725

 97.3697, 130.1009,
137.2793

 0.0986, 1.2105,
1.1318

 124.5468,
163.4201, 172.8355

 0.0000, 0.0702,
0.0000

 156.3616,

 0.0000, 0.0000,

201.9914, 214.0553

0.0000

193.1795,
246.1993, 261.3571

■ 18.2629, 28.8334,
29.8021

■ 18.2629, 28.8334,
29.8021

■ 18.2632, 28.8342,
29.8014

■ 18.6668, 29.0214,
30.7643

■ 19.2565, 29.3041,
31.7549

■ 20.1090, 29.7219,
32.7782

■ 21.2578, 30.2918,
33.8360

■ 22.7312, 31.0287,
34.9297

■ 24.5544, 31.9455,
36.0605

■ 26.7499, 33.0537,
37.2298

■ 29.3385, 34.3641,
38.4385

■ 32.3393, 35.8865,
39.6877

Harmonies

Analogous

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



19.5722, 28.8334, 17.7527



18.2629, 28.8334, 29.8021



19.1236, 28.8334, 46.9141

Triad

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



18.2629, 28.8334, 29.8021



32.3921, 28.8334, 66.2352



33.5000, 28.8334, 12.4476

Complementary

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



18.2629, 28.8334, 29.8021



15.6830, 8.0662, 1.5959

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.



37.7875, 28.8334, 19.7418



18.2629, 28.8334, 29.8021



37.0909, 28.8334, 50.6787

Square

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



18.2629, 28.8334, 29.8021



26.8434, 28.8334, 71.6077



39.1804, 28.8334, 33.0430



27.9749, 28.8334, 10.0318

Rectangle

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



18.2629, 28.8334, 29.8021



20.8837, 28.8334, 58.6027



39.1804, 28.8334, 33.0430



35.1602, 28.8334, 14.2618

Sweetspot

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



18.2637, 28.8345, 29.8028



47.6654, 59.0734, 66.5536



13.8510, 27.1151, 4.5044



10.0632, 12.7341, 14.3659



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.2637, 28.8345, 29.8028



32.6484, 51.6149, 53.0623



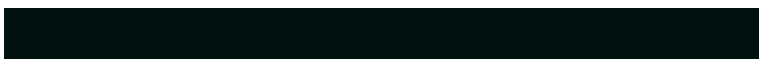
12.0769, 13.2866, 37.5266



7.2316, 7.9935, 8.8314



13.8300, 21.8183, 22.6190



0.3019, 0.4630, 0.5349

Inverse Universe

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



15.6830, 8.0662, 1.5959



28.0394, 14.4260, 2.6142



17.0190, 11.0023, 1.2273



7.1138, 7.1020, 7.5858



11.8755, 6.1063, 1.2693



0.2609, 0.1328, 0.0865

Previews

White Background



This preview shows how the XYZ color 18.2629, 28.8334, 29.8021 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 18.2629, 28.8334, 29.8021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

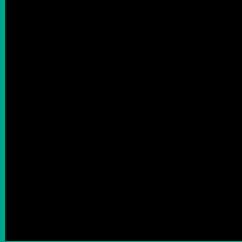
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2629, 28.8334, 29.8021

Background



This preview shows how black text looks on a background with the XYZ color 18.2629, 28.8334, 29.8021.

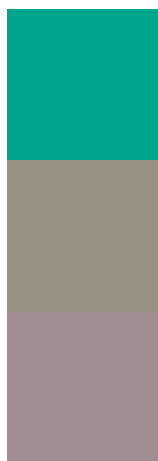


This preview shows how white text looks on a background with the XYZ color 18.2629, 28.8334,

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

18.2629, 28.8334, 29.8021

Protanopia

26.9172, 28.4418, 25.1902

Deuteranopia

29.0113, 28.4960, 31.1653



Tritanopia

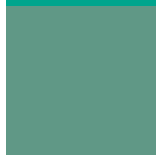
21.2403, 28.7396, 43.9630

Trichromacy



Original Color

18.2629, 28.8334, 29.8021



Protanomaly

20.3552, 26.6645, 26.6282



Deuteranomaly

21.3072, 26.5930, 30.3955



Tritanomaly

19.8600, 28.6751, 38.2063

Monochromacy



Original Color

18.2629, 28.8334, 29.8021



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.4989, 19.3103, 21.7020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2629, 28.8334, 29.8021 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, 165, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 141)  
}
```

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, 165, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 141) }
```

Border

The CSS property to change the border of an element to XYZ 18.2629, 28.8334, 29.8021 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, 165, 141) }
```


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

```
.border{ border-color:rgb(0, 165, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2629, 28.8334, 29.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 141) }
```

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

```
.background{ background-color: rgb(0, 165,  
141) }
```

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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