

Converting Colors

XYZ(7.2175, 22.8117, 31.4146)

Have a look what the booklet for
XYZ(7.2175, 22.8117, 31.4146)
contains.

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Color

**XYZ(18.4638, 28.6262,
31.7464)**

Conversions

Conversions Part 1

Format	Color
Hex	00A492
RGB	0, 164, 146
RGB Percent	0%, 64%, 57%
CMY	0.9999, 0.3569, 0.4274
CMYK	1.00, 0.00, 0.11, 0.36
HSL	173°, 100%, 32%
HSV	173°, 100%, 64%
XYZ	18.4638, 28.6262, 31.7464
YIQ	112.9120, -91.9660, -40.3660

Conversions

Conversions Part 2

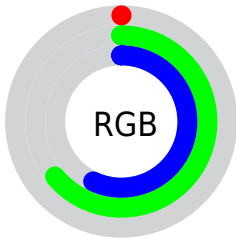
Format	Color
RYB	0, 87, 164
Decimal	42130
CIELab	60.45, -39.95, -0.81
CIELCh	60, 39.958, 181.160
Yxy	28.6262, 0.2342, 0.3631
Android (android.graphics.Color)	4278232210 (0xFF00A492)
YUV	112.9120, 16.3124, -99.0238
Hunter-Lab	53.5035, -32.0315, 2.2726

Details

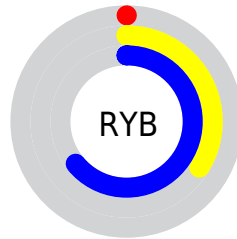
The XYZ color **18.4638, 28.6262, 31.7464** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.4200, 7.9371, 1.2928**, and the grayscale version is **15.6454, 16.4602, 17.9251**.

A 20% lighter version of the original color is **40.4322, 57.6318, 63.6366**, and **7.7958, 12.2134, 13.0129** is the 20% darker color. If you saturate the color by 10%, you get **18.4640, 28.6270, 31.7458**, and if you desaturate by 10%, it is **18.8265, 28.7976, 32.5010**.

Distribution



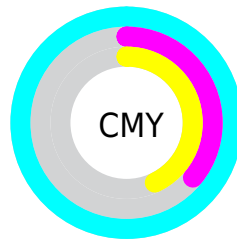
- Red (0%)
- Green (64%)
- Blue (57%)



- Red (0%)
- Yellow (34%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.4638, 28.6262, 31.7464 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 18.4638, 28.6262, 31.7464 by changing the saturation by 10% instead.


 18.4638, 28.6262,
31.7464


 18.4638, 28.6262,
31.7464


236.4678,
295.4472, 324.4194


 11.3852, 18.7982,
20.9047


 40.3500, 57.4827,
63.5066


 6.3957, 11.5246,
12.8638


 55.8882, 77.2799,
85.2621


 3.1301, 6.4208,
7.2052


 74.9771, 101.1691,
111.4927

 1.2229, 3.1026,
3.5104

 97.9819, 129.5346,
142.6168

 0.1244, 1.1855,
1.3608

 125.2680,
162.7607, 179.0529

 0.0000, 0.0499,
0.1108

 157.2008,

 0.0000, 0.0000,

201.2319, 221.2198

0.0000

194.1456,
245.3326, 269.5357

■ 18.4638, 28.6262,
31.7464

■ 18.4638, 28.6262,
31.7464

■ 18.4640, 28.6270,
31.7458

■ 18.8265, 28.7976,
32.5010

■ 19.3706, 29.0615,
33.2749

■ 20.1722, 29.4579,
34.0726

■ 21.2642, 30.0038,
34.8955

■ 22.6747, 30.7135,
35.7450

■ 24.4284, 31.6000,
36.6224

■ 26.5474, 32.6745,
37.5287

■ 29.0522, 33.9476,
38.4649

■ 31.9616, 35.4291,
39.4320

Harmonies

Analogous

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



19.4265, 28.6262, 19.3976



18.4638, 28.6262, 31.7464



19.5870, 28.6262, 48.2573

Triad

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



18.4638, 28.6262, 31.7464



32.6578, 28.6262, 62.2626



32.2674, 28.6262, 12.3485

Complementary

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



18.4638, 28.6262, 31.7464



15.4200, 7.9371, 1.2928

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.



36.5874, 28.6262, 18.6821



18.4638, 28.6262, 31.7464



36.8321, 28.6262, 46.9394

Square

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



18.4638, 28.6262, 31.7464



27.4092, 28.6262, 68.9673



38.3523, 28.6262, 30.5988



27.0085, 28.6262, 10.5502

Rectangle

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



18.4638, 28.6262, 31.7464



21.4610, 28.6262, 58.8719



38.3523, 28.6262, 30.5988



33.8998, 28.6262, 13.8930

Sweetspot

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



18.4646, 28.6273, 31.7471



47.9442, 59.1849, 68.0217



13.5477, 26.6919, 4.4388



10.1317, 12.7615, 14.7263



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.



18.4646, 28.6273, 31.7471



33.4666, 51.9422, 57.3708



11.3692, 12.0162, 36.8432



7.2425, 7.9978, 8.8886



14.1676, 21.9534, 24.3970



0.3066, 0.4648, 0.5595

Inverse Universe

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



15.4200, 7.9371, 1.2928



27.9498, 14.3902, 2.1424



17.0816, 11.4351, 1.3077



7.1039, 7.0980, 7.5337



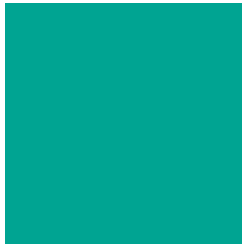
11.8320, 6.0889, 1.0402



0.2574, 0.1315, 0.0681

Previews

White Background



This preview shows how the XYZ color 18.4638, 28.6262, 31.7464 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 18.4638, 28.6262, 31.7464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

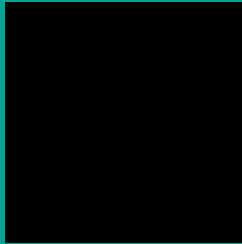
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4638, 28.6262, 31.7464

Background



This preview shows how black text looks on a background with the XYZ color 18.4638, 28.6262, 31.7464.

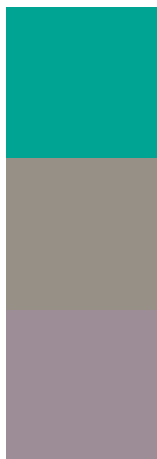


This preview shows how white text looks on a background with the XYZ color 18.4638, 28.6262,

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

18.4638, 28.6262, 31.7464

Protanopia

26.9241, 28.1798, 26.9419

Deuteranopia

28.8211, 28.3520, 33.2316



Tritanopia

21.1099, 28.6723, 43.9569

Trichromacy



Original Color

18.4638, 28.6262, 31.7464



Protanomaly

20.4461, 26.4302, 28.4500



Deuteranomaly

21.3179, 26.3175, 32.3900



Tritanomaly

19.8077, 28.3671, 39.0818

Monochromacy



Original Color

18.4638, 28.6262, 31.7464



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.6254, 19.3609, 22.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4638, 28.6262, 31.7464 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, 164, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 146)  
}
```

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, 164, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 146) }
```

Border

The CSS property to change the border of an element to XYZ 18.4638, 28.6262, 31.7464 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, 164, 146) }
```


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

```
.border{ border-color:rgb(0, 164, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 164, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4638, 28.6262, 31.7464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 146) }
```

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

```
.background{ background-color: rgb(0, 164,  
146) }
```

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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