

Converting Colors

XYZ(14.1920, 26.1145, 31.0914)

Have a look what the booklet for
XYZ(14.1920, 26.1145, 31.0914)
contains.

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Color

**XYZ(18.2080, 28.2387,
31.2790)**

Conversions

Conversions Part 1

Format	Color
Hex	00A391
RGB	0, 163, 145
RGB Percent	0%, 64%, 57%
CMY	0.9999, 0.3608, 0.4314
CMYK	1.00, 0.00, 0.11, 0.36
HSL	173°, 100%, 32%
HSV	173°, 100%, 64%
XYZ	18.2080, 28.2387, 31.2790
YIQ	112.2110, -91.3700, -40.1540

Conversions

Conversions Part 2

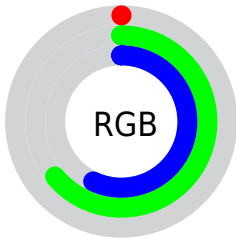
Format	Color
RYB	0, 86, 163
Decimal	41873
CIELab	60.10, -39.80, -0.75
CIElCh	60, 39.807, 181.083
Yxy	28.2387, 0.2343, 0.3633
Android (android.graphics.Color)	4278231953 (0xFF00A391)
YUV	112.2110, 16.1650, -98.4090
Hunter-Lab	53.1401, -31.8337, 2.2992

Details

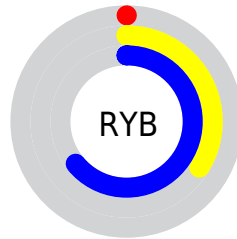
The XYZ color **18.2080, 28.2387, 31.2790** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.2143, 7.8310, 1.2828**, and the grayscale version is **15.4383, 16.2423, 17.6879**.

A 20% lighter version of the original color is **40.0540, 57.0619, 62.9358**, and **7.6415, 11.9781, 12.7357** is the 20% darker color. If you saturate the color by 10%, you get **18.2084, 28.2396, 31.2788**, and if you desaturate by 10%, it is **18.5677, 28.4086, 32.0270**.

Distribution



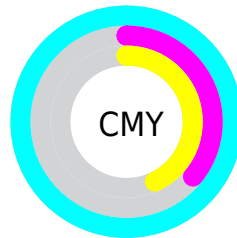
- Red (0%)
- Green (64%)
- Blue (57%)



- 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 18.2080, 28.2387, 31.2790 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 18.2080, 28.2387, 31.2790 by changing the saturation by 10% instead.

■ 18.2080, 28.2387,
31.2790

■ 18.2080, 28.2387,
31.2790

■ 235.0638,
293.6058, 322.2125

■ 11.2000, 18.5057,
20.5511

■ 39.9187, 56.8653,
62.7638

■ 6.2698, 11.3136,
12.6083

■ 55.3522, 76.5277,
84.3578

■ 3.0520, 6.2782,
7.0318

■ 74.3249, 100.2686,
110.4109

■ 1.1813, 3.0150,
3.4033

■ 97.2021, 128.4725,
141.3417

■ 0.0916, 1.1396,
1.3040

■ 124.3493,
161.5238, 177.5688

■ 0.0000, 0.0115,
0.0651

■ 156.1317,

■ 0.0000, 0.0000,

199.8069, 219.5105

0.0000

192.9148,
243.7060, 267.5856

■ 18.2080, 28.2387,
31.2790

■ 18.2080, 28.2387,
31.2790

■ 18.2084, 28.2396,
31.2788

■ 18.5677, 28.4086,
32.0270

■ 19.1058, 28.6696,
32.7942

■ 19.8979, 29.0613,
33.5849

■ 20.9764, 29.6003,
34.4007

■ 22.3688, 30.3009,
35.2428

■ 24.0995, 31.1757,
36.1126

■ 26.1904, 32.2358,
37.0109

■ 28.6616, 33.4918,
37.9389

■ 31.5316, 34.9531,
38.8975

Harmonies

Analogous

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



19.1635, 28.2387, 19.1036



18.2080, 28.2387, 31.2790



19.3114, 28.2387, 47.5755

Triad

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



18.2080, 28.2387, 31.2790



32.2073, 28.2387, 61.4792



31.8475, 28.2387, 12.1812

Complementary

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



18.2080, 28.2387, 31.2790



15.2143, 7.8310, 1.2828

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.



36.1081, 28.2387, 18.4444



18.2080, 28.2387, 31.2790



36.3336, 28.2387, 46.3607

Square

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



18.2080, 28.2387, 31.2790



27.0251, 28.2387, 68.0707



37.8427, 28.2387, 30.2214



26.6558, 28.2387, 10.3968

Rectangle

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



18.2080, 28.2387, 31.2790



21.1579, 28.2387, 58.0638



37.8427, 28.2387, 30.2214



33.4581, 28.2387, 13.7092

Sweetspot

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



18.2088, 28.2398, 31.2797



46.6726, 57.6128, 66.1886



13.3670, 26.3341, 4.3791



10.1304, 12.7609, 14.7195



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.



18.2088, 28.2398, 31.2797



32.5627, 50.5548, 55.7735



11.2191, 11.8601, 36.3494



7.2423, 7.9977, 8.8875



14.1611, 21.9508, 24.3628



0.3065, 0.4648, 0.5590

Inverse Universe

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



15.2143, 7.8310, 1.2828



27.2090, 14.0085, 2.1004



16.8546, 11.2863, 1.2907



7.1041, 7.0981, 7.5347



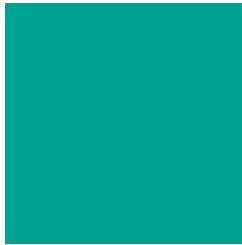
11.8328, 6.0892, 1.0440



0.2575, 0.1315, 0.0684

Previews

White Background



This preview shows how the XYZ color 18.2080, 28.2387, 31.2790 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 18.2080, 28.2387, 31.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

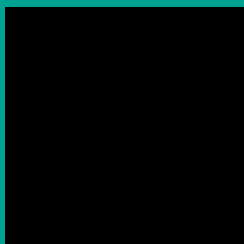
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2080, 28.2387, 31.2790

Background



This preview shows how black text looks on a background with the XYZ color 18.2080, 28.2387, 31.2790.

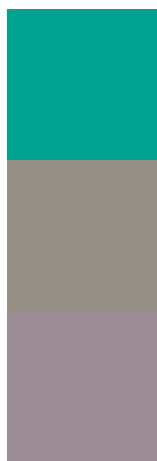


This preview shows how white text looks on a background with the XYZ color 18.2080, 28.2387,

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

18.2080, 28.2387, 31.2790

Protanopia

26.5200, 27.7557, 26.5139

Deuteranopia

28.4007, 27.9267, 32.7477



Tritanopia

20.7994, 28.2671, 43.3896

Trichromacy



Original Color

18.2080, 28.2387, 31.2790

Protanomaly

20.2131, 26.0806, 28.0135

Deuteranomaly

21.0808, 25.9706, 31.9187

Tritanomaly

19.5444, 27.9833, 38.5536

Monochromacy



Original Color

18.2080, 28.2387, 31.2790

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.3529, 19.0274, 21.9850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2080, 28.2387, 31.2790 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, 163, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 145)  
}
```

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, 163, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.2080, 28.2387, 31.2790 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, 163, 145) }
```


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

```
.border{ border-color:rgb(0, 163, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2080, 28.2387, 31.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 145) }
```

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

```
.background{ background-color: rgb(0, 163,  
145) }
```

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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