

Converting Colors

XYZ(18.8276, 29.2764, 32.1070)

Have a look what the booklet for
XYZ(18.8276, 29.2764, 32.1070)
contains.

XYZ(18.9027, 29.3790, 32.2782)	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(18.9027, 29.3790,
32.2782)**

Conversions

Conversions Part 1

Format	Color
Hex	00A693
RGB	0, 166, 147
RGB Percent	0%, 65%, 58%
CMY	0.9999, 0.3490, 0.4235
CMYK	1.00, 0.00, 0.11, 0.35
HSL	173°, 100%, 33%
HSV	173°, 100%, 65%
XYZ	18.9027, 29.3790, 32.2782
YIQ	114.2000, -92.8370, -41.1010

Conversions

Conversions Part 2

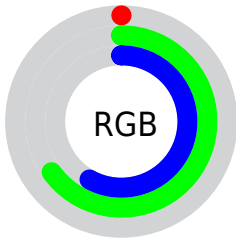
Format	Color
RYB	0, 88, 166
Decimal	42643
CIELab	61.11, -40.54, -0.40
CIELCh	61, 40.539, 180.565
Yxy	29.3790, 0.2346, 0.3647
Android (android.graphics.Color)	4278232723 (0xFF00A693)
YUV	114.2000, 16.1704, -100.1534
Hunter-Lab	54.2024, -32.6036, 2.6337

Details

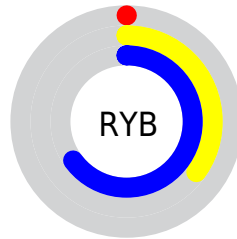
The XYZ color **18.9027, 29.3790, 32.2782** is a dark color, and the websafe version is hex **009999**, and the color name is **persian green**. A complement of this color would be **15.8445, 8.1549, 1.3563**, and the grayscale version is **16.0298, 16.8646, 18.3655**.

A 20% lighter version of the original color is **41.1781, 58.7868, 64.4350**, and **8.0628, 12.6733, 13.3305** is the 20% darker color. If you saturate the color by 10%, you get **18.9030, 29.3799, 32.2777**, and if you desaturate by 10%, it is **19.2782, 29.5559, 33.0814**.

Distribution



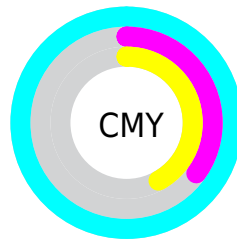
- Red (0%)
- Green (65%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9027, 29.3790, 32.2782 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 18.9027, 29.3790, 32.2782 by changing the saturation by 10% instead.


 18.9027, 29.3790,
32.2782


 18.9027, 29.3790,
32.2782


238.8595,
298.9990, 326.9163


 11.7036, 19.3677,
21.3075

 41.0878, 58.6787,
64.3499


 6.6129, 11.9363,
13.1555


 56.8044, 78.7359,
86.2880


 3.2654, 6.7003,
7.4037


 76.0910, 102.9106,
112.7191

 1.2956, 3.2754,
3.6336

 99.3128, 131.5870,
144.0615

 0.1799, 1.2771,
1.4266

 126.8352,
165.1497, 180.7339

 0.0000, 0.1234,
0.1623

 159.0235,

 0.0000, 0.0000,

203.9830, 223.1548

0.0000

196.2432,
248.4713, 271.7427

■ 18.9027, 29.3790,
32.2782

■ 18.9027, 29.3790,
32.2782

■ 18.9030, 29.3799,
32.2777

■ 19.2782, 29.5559,
33.0814

■ 19.8410, 29.8283,
33.9057

■ 20.6687, 30.2371,
34.7553

■ 21.7954, 30.7997,
35.6320

■ 23.2498, 31.5309,
36.5371

■ 25.0574, 32.4440,
37.4719

■ 27.2412, 33.5507,
38.4375

■ 29.8221, 34.8618,
39.4350

■ 32.8196, 36.3873,
40.4654

Harmonies

Analogous

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



19.9374, 29.3790, 19.6561



18.9027, 29.3790, 32.2782



20.0180, 29.3790, 49.2946

Triad

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



18.9027, 29.3790, 32.2782



33.4482, 29.3790, 64.3772



33.2518, 29.3790, 12.6733

Complementary

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



18.9027, 29.3790, 32.2782



15.8445, 8.1549, 1.3563

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.



37.6774, 29.3790, 19.2970



18.9027, 29.3790, 32.2782



37.8006, 29.3790, 48.6307

Square

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



18.9027, 29.3790, 32.2782



28.0247, 29.3790, 71.0754



39.4369, 29.3790, 31.7010



27.8232, 29.3790, 10.7438

Rectangle

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



18.9027, 29.3790, 32.2782



21.9238, 29.3790, 60.3278



39.4369, 29.3790, 31.7010



34.9294, 29.3790, 14.2936

Sweetspot

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



18.9035, 29.3801, 32.2789



49.1925, 60.7644, 69.6563



13.9130, 27.4158, 4.5592



10.6333, 13.4077, 15.4274



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.



18.9035, 29.3801, 32.2789



34.2558, 53.2999, 58.3146



11.6721, 12.3307, 37.8424



7.7100, 8.5170, 9.4590



14.6688, 22.7863, 25.0865



0.3670, 0.5584, 0.6635

Inverse Universe

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



15.8445, 8.1549, 1.3563



28.7145, 14.7828, 2.2491



17.5403, 11.7348, 1.3413



7.5647, 7.5558, 8.0252



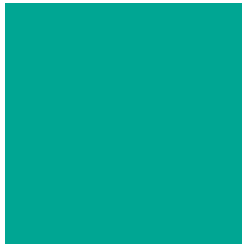
12.2953, 6.3268, 1.1007



0.3095, 0.1581, 0.0813

Previews

White Background



This preview shows how the XYZ color 18.9027, 29.3790, 32.2782 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 18.9027, 29.3790, 32.2782 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 18.9027, 29.3790, 32.2782

Background



This preview shows how black text looks on a background with the XYZ color 18.9027, 29.3790, 32.2782.

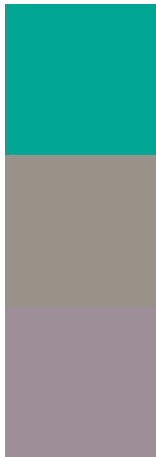


This preview shows how white text looks on a background with the XYZ color 18.9027, 29.3790,

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

18.9027, 29.3790, 32.2782

Protanopia

27.6717, 29.0107, 27.4337

Deuteranopia

29.4410, 28.8821, 33.7289



Tritanopia

21.6545, 29.4494, 45.1004

Trichromacy



Original Color

18.9027, 29.3790, 32.2782

Protanomaly

21.0546, 27.2173, 28.9547

Deuteranomaly

21.9385, 27.1019, 32.9291

Tritanomaly

20.3407, 29.1440, 40.1506

Monochromacy



Original Color

18.9027, 29.3790, 32.2782

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.9011, 19.6979, 22.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9027, 29.3790, 32.2782 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, 166, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 147)  
}
```

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, 166, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 147) }
```

Border

The CSS property to change the border of an element to XYZ 18.9027, 29.3790, 32.2782 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, 166, 147) }
```


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

```
.border{ border-color:rgb(0, 166, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9027, 29.3790, 32.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 147) }
```

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

```
.background{ background-color: rgb(0, 166,  
147) }
```

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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