

Converting Colors

XYZ(18.3086, 29.8173, 27.0665)

Have a look what the booklet for
XYZ(18.3086, 29.8173, 27.0665)
contains.

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Color

**XYZ(18.2363, 29.6987,
26.9616)**

Conversions

Conversions Part 1

Format	Color
Hex	00A885
RGB	0, 168, 133
RGB Percent	0%, 66%, 52%
CMY	0.9999, 0.3412, 0.4784
CMYK	1.00, 0.00, 0.21, 0.34
HSL	167°, 100%, 33%
HSV	167°, 100%, 66%
XYZ	18.2363, 29.6987, 26.9616
YIQ	113.7780, -88.8930, -46.5010

Conversions

Conversions Part 2

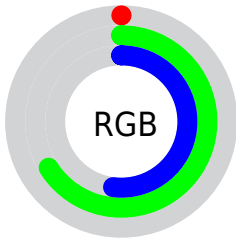
Format	Color
RYB	0, 94, 168
Decimal	43141
CIELab	61.39, -45.21, 7.85
CIELCh	61, 45.885, 170.155
Yxy	29.6987, 0.2435, 0.3965
Android (android.graphics.Color)	4278233221 (0xFF00A885)
YUV	113.7780, 9.4764, -99.7833
Hunter-Lab	54.4965, -35.6370, 8.8144

Details

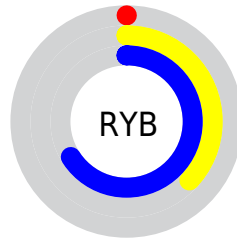
The XYZ color **18.2363, 29.6987, 26.9616** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.4529, 8.4471, 2.3552**, and the grayscale version is **15.9216, 16.7508, 18.2416**.

A 20% lighter version of the original color is **39.9322, 59.1318, 55.7633**, and **7.7310, 12.9016, 10.4703** is the 20% darker color. If you saturate the color by 10%, you get **18.2365, 29.6996, 26.9606**, and if you desaturate by 10%, it is **18.7108, 29.9156, 28.2682**.

Distribution



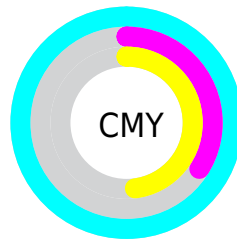
- Red (0%)
- Green (66%)
- Blue (52%)



- Red (0%)
- Yellow (37%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2363, 29.6987, 26.9616 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 18.2363, 29.6987, 26.9616 by changing the saturation by 10% instead.


 18.2363, 29.6987,
26.9616


 18.2363, 29.6987,
26.9616


235.2195,
300.4975, 301.2254


 11.2205, 19.6100,
17.3122


 39.9665, 59.1854,
55.8252


 6.2837, 12.1119,
10.2930


 55.4116, 79.3521,
75.8765


 3.0607, 6.8199,
5.4855


 74.3972, 103.6470,
100.2322

 1.1859, 3.3497,
2.4712

 97.2886, 132.4545,
129.3109

 0.0952, 1.3169,
0.8248

 124.4511,
166.1588, 163.5310

 0.0000, 0.1543,
0.0000

 156.2502,

 0.0000, 0.0000,

205.1445, 203.3111

0.0000

193.0512,
249.7960, 249.0697

■ 18.2363, 29.6987,
26.9616

■ 18.2363, 29.6987,
26.9616

■ 18.2365, 29.6996,
26.9606

■ 18.7108, 29.9156,
28.2682

■ 19.3842, 30.2334,
29.6259

■ 20.3356, 30.6936,
31.0396

■ 21.5999, 31.3141,
32.5111

■ 23.2071, 32.1104,
34.0423

■ 25.1833, 33.0960,
35.6348

■ 27.5523, 34.2831,
37.2901

■ 30.3359, 35.6829,
39.0096

■ 33.5539, 37.3057,
40.7945

Harmonies

Analogous

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



20.1958, 29.6987, 15.3264



18.2363, 29.6987, 26.9616



18.6441, 29.6987, 45.2465

Triad

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



18.2363, 29.6987, 26.9616



32.4343, 29.6987, 74.8504



36.3679, 29.6987, 12.8915

Complementary

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



18.2363, 29.6987, 26.9616



16.4529, 8.4471, 2.3552

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.



40.6352, 29.6987, 22.1508



18.2363, 29.6987, 26.9616



38.1485, 29.6987, 58.7656

Square

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



18.2363, 29.6987, 26.9616



26.2825, 29.6987, 77.5981



41.3298, 29.6987, 38.3828



30.2666, 29.6987, 9.3472

Rectangle

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



18.2363, 29.6987, 26.9616



20.2282, 29.6987, 58.9713



41.3298, 29.6987, 38.3828



38.0991, 29.6987, 15.2427

Sweetspot

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



18.2371, 29.6999, 26.9623



49.7342, 62.0782, 67.4939



14.7454, 28.3889, 4.7031



10.4466, 13.3331, 14.4443



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.



18.2371, 29.6999, 26.9623



33.0115, 53.8604, 48.4995



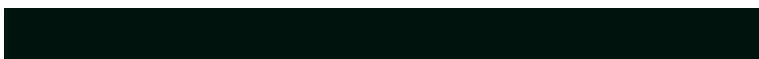
13.8340, 16.3587, 39.4755



7.6796, 8.5049, 9.2989



13.7900, 22.4348, 20.4588



0.3519, 0.5524, 0.5842

Inverse Universe

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



16.4529, 8.4471, 2.3552



29.7909, 15.3015, 3.9366



17.1904, 10.4078, 1.1035



7.5927, 7.5669, 8.1723



12.4396, 6.3845, 1.8604



0.3200, 0.1623, 0.1365

Previews

White Background



This preview shows how the XYZ color 18.2363, 29.6987, 26.9616 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 18.2363, 29.6987, 26.9616 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

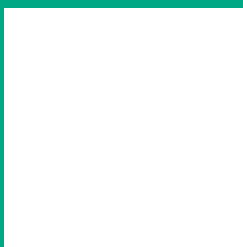
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2363, 29.6987, 26.9616

Background



This preview shows how black text looks on a background with the XYZ color 18.2363, 29.6987, 26.9616.

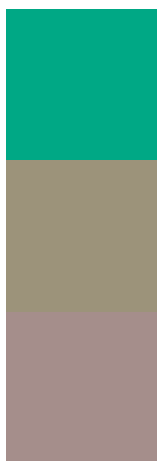


This preview shows how white text looks on a background with the XYZ color 18.2363, 29.6987,

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

18.2363, 29.6987, 26.9616

Protanopia

27.6569, 29.3405, 22.6180

Deuteranopia

29.8503, 29.2094, 28.4908



Tritanopia

22.0234, 29.6396, 45.1177

Trichromacy



Original Color

18.2363, 29.6987, 26.9616



Protanomaly

20.6328, 27.6017, 23.9789



Deuteranomaly

21.4077, 26.9426, 27.7391



Tritanomaly

20.2163, 29.3961, 37.8662

Monochromacy



Original Color

18.2363, 29.6987, 26.9616



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.7239, 19.8471, 21.1440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2363, 29.6987, 26.9616 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, 168, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 133)  
}
```

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, 168, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 133) }
```

Border

The CSS property to change the border of an element to XYZ 18.2363, 29.6987, 26.9616 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, 168, 133) }
```


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

```
.border{ border-color:rgb(0, 168, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2363, 29.6987, 26.9616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 133) }
```

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

```
.background{ background-color: rgb(0, 168,  
133) }
```

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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