

Converting Colors

XYZ(18.0864, 28.0930, 26.3480)

Have a look what the booklet for
XYZ(18.0864, 28.0930, 26.3480)
contains.

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Color

**XYZ(18.0400, 27.9988,
26.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA284
RGB	42, 162, 132
RGB Percent	16%, 64%, 52%
CMY	0.8353, 0.3647, 0.4823
CMYK	0.74, 0.00, 0.19, 0.36
HSL	165°, 59%, 40%
HSV	165°, 74%, 64%
XYZ	18.0400, 27.9988, 26.2833
YIQ	122.7000, -61.8900, -34.7700

Conversions

Conversions Part 2

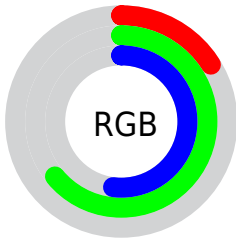
Format	Color
RYB	42, 111, 162
Decimal	2794116
CIELab	59.89, -39.76, 6.31
CIELCh	60, 40.256, 170.979
Yxy	27.9988, 0.2494, 0.3871
Android (android.graphics.Color)	4280984196 (0xFF2AA284)
YUV	122.7000, 4.5849, -70.7739
Hunter-Lab	52.9139, -31.7431, 7.5893

Details

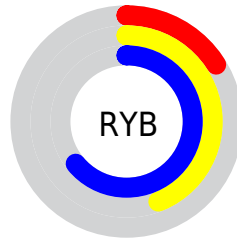
The XYZ color **18.0400, 27.9988, 26.2833** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.8988, 9.8059, 7.1340**, and the grayscale version is **18.7287, 19.7041, 21.4578**.

A 20% lighter version of the original color is **39.7722, 56.7098, 54.7488**, and **7.0300, 11.5618, 10.0447** is the 20% darker color. If you saturate the color by 10%, you get **17.2349, 27.6158, 24.8272**, and if you desaturate by 10%, it is **19.1253, 28.5263, 27.8099**.

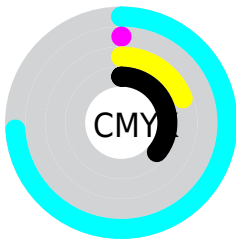
Distribution



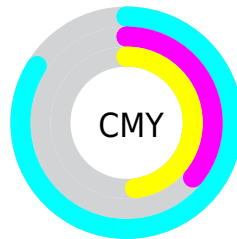
- Red (16%)
- Green (64%)
- Blue (52%)



- Red (16%)
- Yellow (44%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (19%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0400, 27.9988, 26.2833 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 18.0400, 27.9988, 26.2833 by changing the saturation by 10% instead.

■ 18.0400, 27.9988,
26.2833

■ 18.0400, 27.9988,
26.2833

234.1376,
292.4612, 297.8196

■ 11.0786, 18.3248,
16.8080

■ 39.6350, 56.4825,
54.7213

■ 6.1874, 11.1834,
9.9372

■ 54.9993, 76.0610,
74.5211

■ 3.0011, 6.1903,
5.2523

■ 73.8953, 99.7097,
98.5996

■ 1.1543, 2.9612,
2.3347

■ 96.6883, 127.8131,
127.3751

■ 0.0699, 1.1115,
0.7506

■ 123.7437,
160.7556, 161.2664

■ 0.0000, 0.0000,
0.0000

155.4268,

198.9215, 200.6919

192.1030,
242.6952, 246.0701

■ 18.0400, 27.9988,
26.2833

■ 18.0400, 27.9988,
26.2833

■ 17.2349, 27.6158,
24.8272

■ 19.1253, 28.5263,
27.8099

■ 16.6728, 27.3563,
23.4374

■ 20.5173, 29.2100,
29.4071

■ 16.4027, 27.2343,
22.6424

■ 22.2421, 30.0640,
31.0773

■ 24.3222, 31.0999,
32.8221

■ 26.7783, 32.3283,
34.6431

■ 29.6292, 33.7589,
36.5418

■ 32.8927, 35.4009,
38.5195

■ 36.5853, 37.2628,
40.5776

■ 40.7226, 39.3526,
42.7175

Harmonies

Analogous

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



19.6853, 27.9988, 15.9799



18.0400, 27.9988, 26.2833



18.4519, 27.9988, 41.7107

Triad

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



18.0400, 27.9988, 26.2833



30.2870, 27.9988, 65.0297



33.2897, 27.9988, 13.4338

Complementary

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



18.0400, 27.9988, 26.2833



16.8988, 9.8059, 7.1340

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.



36.8805, 27.9988, 21.4806



18.0400, 27.9988, 26.2833



34.9985, 27.9988, 51.8556

Square

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



18.0400, 27.9988, 26.2833



25.1010, 27.9988, 67.5763



37.5429, 27.9988, 35.1143



28.1825, 27.9988, 10.2845

Rectangle

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



18.0400, 27.9988, 26.2833



19.8623, 27.9988, 52.9122



37.5429, 27.9988, 35.1143



34.7401, 27.9988, 15.5058

Sweetspot

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



18.0408, 27.9999, 26.2840



49.4176, 59.0914, 63.4500



16.1632, 27.4648, 6.6403



10.8207, 13.1322, 14.0561



78.6606, 82.7571, 90.1225



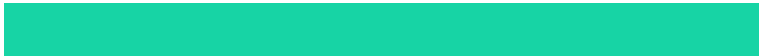
14.0027, 14.7319, 16.0430

Same Dimension

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



18.0408, 27.9999, 26.2840



30.5670, 49.7981, 43.3863



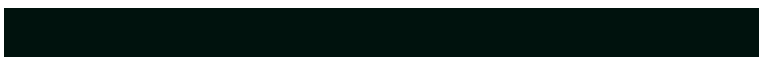
16.0024, 20.1521, 37.2300



7.2001, 7.9809, 8.6654



12.9398, 21.4623, 17.9316



0.2891, 0.4578, 0.4671

Inverse Universe

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



16.8988, 9.8059, 7.1340



28.4800, 15.0161, 7.2542



17.5092, 12.2297, 3.6287



7.1430, 7.1137, 7.7397



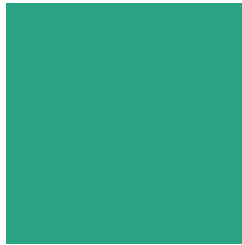
12.0625, 6.1810, 2.2537



0.2711, 0.1369, 0.1403

Previews

White Background



This preview shows how the XYZ color 18.0400, 27.9988, 26.2833 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 18.0400, 27.9988, 26.2833 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 18.0400, 27.9988, 26.2833

Background



This preview shows how black text looks on a background with the XYZ color 18.0400, 27.9988, 26.2833.

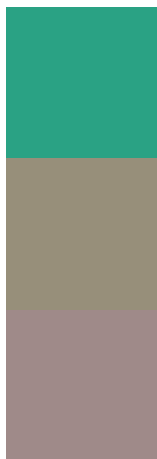


This preview shows how white text looks on a background with the XYZ color 18.0400, 27.9988,

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

18.0400, 27.9988, 26.2833

Protanopia

26.0978, 27.6294, 22.3699

Deuteranopia

27.9019, 27.3540, 27.4762



Tritanopia

21.2993, 28.0404, 42.3199

Trichromacy



Original Color

18.0400, 27.9988, 26.2833

Protanomaly

21.2278, 26.6986, 23.7732

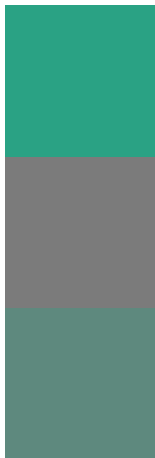
Deuteranomaly

22.0094, 26.3297, 26.8438

Tritanomaly

19.9744, 28.0088, 35.8060

Monochromacy



Original Color

18.0400, 27.9988, 26.2833

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.3276, 21.7774, 23.0289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0400, 27.9988, 26.2833 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(42, 162, 132)` looks like.

```
.text, #text, p{  
    color:rgb(42, 162, 132)  
}
```

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(42, 162, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 162, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.0400, 27.9988, 26.2833 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(42, 162, 132) }
```


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

```
.border{ border-color:rgb(42, 162, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 162, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 162, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 162, 132);  
box-shadow:4px 4px 4px 4px rgb(42, 162,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0400, 27.9988, 26.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 162, 132) }
```

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

```
.background{ background-color: rgb(42, 162,  
132) }
```

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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