

Converting Colors

XYZ(18.2483, 28.0822, 27.3803)

Have a look what the booklet for
XYZ(18.2483, 28.0822, 27.3803)
contains.

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Color

**XYZ(18.2483, 28.0822,
27.3803)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA287
RGB	42, 162, 135
RGB Percent	16%, 64%, 53%
CMY	0.8353, 0.3647, 0.4706
CMYK	0.74, 0.00, 0.17, 0.36
HSL	166°, 59%, 40%
HSV	166°, 74%, 64%
XYZ	18.2483, 28.0822, 27.3803
YIQ	123.0420, -62.8530, -33.8370

Conversions

Conversions Part 2

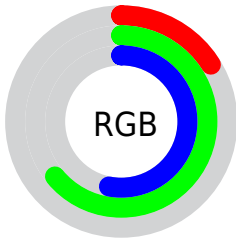
Format	Color
R_{YB}	42, 110, 162
Decimal	2794119
CIE _{Lab}	59.96, -38.98, 4.73
CIE _{LCh}	60, 39.267, 173.077
Yxy	28.0822, 0.2476, 0.3810
Android (android.graphics.Color)	4280984199 (0xFF2AA287)
YUV	123.0420, 5.8953, -71.0738
Hunter-Lab	52.9926, -31.2697, 6.4608

Details

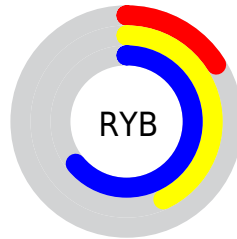
The XYZ color **18.2483, 28.0822, 27.3803** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.8033, 9.7676, 6.6307**, and the grayscale version is **18.8373, 19.8183, 21.5822**.

A 20% lighter version of the original color is **40.0924, 56.8378, 56.4347**, and **7.1083, 11.5932, 10.4574** is the 20% darker color. If you saturate the color by 10%, you get **17.4627, 27.7071, 26.0271**, and if you desaturate by 10%, it is **19.3120, 28.6011, 28.7937**.

Distribution



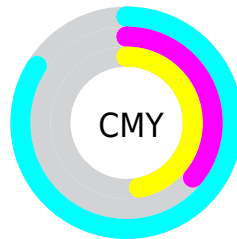
- Red (16%)
- Green (64%)
- Blue (53%)



- Red (16%)
- Yellow (43%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (17%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2483, 28.0822, 27.3803 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 18.2483, 28.0822, 27.3803 by changing the saturation by 10% instead.

■ 18.2483, 28.0822,
27.3803

■ 18.2483, 28.0822,
27.3803

235.2855,
292.8595, 303.3120

■ 11.2292, 18.3876,
17.6241

■ 39.9867, 56.6157,
56.5047

■ 6.2896, 11.2286,
10.5138

■ 55.4368, 76.2233,
76.7099

■ 3.0643, 6.2208,
5.6309

■ 74.4278, 99.9042,
101.2352

■ 1.1879, 2.9798,
2.5568

■ 97.3252, 128.0425,
130.4992

■ 0.0968, 1.1212,
0.8700

■ 124.4943,
161.0229, 164.9203

■ 0.0000, 0.0000,
0.0000

156.3005,

199.2295, 204.9171

193.1091,
243.0469, 250.9081

■ 18.2483, 28.0822,
27.3803

■ 18.2483, 28.0822,
27.3803

■ 17.4627, 27.7071,
26.0271

■ 19.3120, 28.6011,
28.7937

■ 16.9183, 27.4545,
24.7300

■ 20.6805, 29.2754,
30.2670

■ 16.6578, 27.3364,
23.9853

■ 22.3797, 30.1191,
31.8026

■ 24.4322, 31.1439,
33.4019

■ 26.8585, 32.3604,
35.0663

■ 29.6775, 33.7783,
36.7972

■ 32.9070, 35.4067,
38.5957

■ 36.5633, 37.2540,
40.4631

■ 40.6622, 39.3284,
42.4005

Harmonies

Analogous

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



19.7268, 28.0822, 16.8524



18.2483, 28.0822, 27.3803



18.7957, 28.0822, 42.6732

Triad

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



18.2483, 28.0822, 27.3803



30.6351, 28.0822, 63.4979



32.8857, 28.0822, 13.4392

Complementary

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



18.2483, 28.0822, 27.3803



16.8033, 9.7676, 6.6307

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.



36.5362, 28.0822, 21.0140



18.2483, 28.0822, 27.3803



35.1278, 28.0822, 50.2524

Square

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



18.2483, 28.0822, 27.3803



25.5505, 28.0822, 66.8098



37.4041, 28.0822, 34.0128



27.8655, 28.0822, 10.5949

Rectangle

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



18.2483, 28.0822, 27.3803



20.2735, 28.0822, 53.4688



37.4041, 28.0822, 34.0128



34.3379, 28.0822, 15.3771

Sweetspot

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



18.2491, 28.0833, 27.3810



49.5542, 59.1460, 64.1695



15.8648, 27.3111, 6.6262



10.8546, 13.1458, 14.2347



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.



18.2491, 28.0833, 27.3810



31.0022, 49.9722, 45.6781



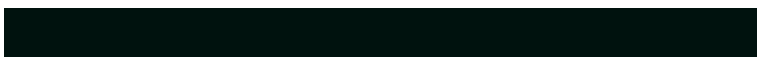
15.4599, 19.0671, 37.0493



7.2076, 7.9839, 8.7049



13.1396, 21.5422, 18.9835



0.2920, 0.4590, 0.4828

Inverse Universe

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



16.8033, 9.7676, 6.6307



28.3362, 14.9586, 6.4967



17.7678, 12.7469, 3.7147



7.1360, 7.1109, 7.7027



12.0092, 6.1598, 1.9733



0.2687, 0.1360, 0.1274

Previews

White Background



This preview shows how the XYZ color 18.2483, 28.0822, 27.3803 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 18.2483, 28.0822, 27.3803 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

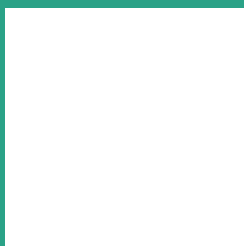
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2483, 28.0822, 27.3803

Background



This preview shows how black text looks on a background with the XYZ color 18.2483, 28.0822, 27.3803.

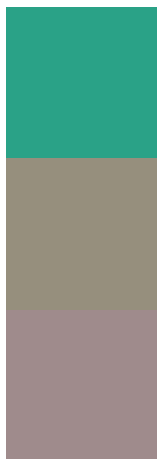


This preview shows how white text looks on a background with the XYZ color 18.2483, 28.0822,

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

18.2483, 28.0822, 27.3803

Protanopia

26.1018, 27.6096, 23.3555

Deuteranopia

28.2643, 27.7296, 28.6736



Tritanopia

21.2371, 28.0083, 42.3170

Trichromacy



Original Color

18.2483, 28.0822, 27.3803



Protanomaly

21.4243, 26.7772, 24.8082



Deuteranomaly

22.2236, 26.4154, 27.9721



Tritanomaly

20.0053, 28.0149, 36.2513

Monochromacy



Original Color

18.2483, 28.0822, 27.3803



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.3925, 21.8033, 23.3704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2483, 28.0822, 27.3803 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, 135)` looks like.

```
.text, #text, p{  
  color:rgb(42, 162, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 162, 135) }
```

Border

The CSS property to change the border of an element to XYZ 18.2483, 28.0822, 27.3803 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, 135) }
```


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

```
.border{ border-color:rgb(42, 162, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 162, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 162, 135);  
box-shadow:4px 4px 4px 4px rgb(42, 162,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2483, 28.0822, 27.3803 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, 135) }
```

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

```
.background{ background-color: rgb(42, 162,  
135) }
```

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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