

Converting Colors

XYZ(18.1417, 27.4994, 28.0835)

Have a look what the booklet for
XYZ(18.1417, 27.4994, 28.0835)
contains.

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Color

**XYZ(18.1249, 27.4832,
28.0164)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA089
RGB	44, 160, 137
RGB Percent	17%, 63%, 54%
CMY	0.8274, 0.3725, 0.4627
CMYK	0.72, 0.00, 0.14, 0.37
HSL	168°, 57%, 40%
HSV	168°, 72%, 63%
XYZ	18.1249, 27.4832, 28.0164
YIQ	122.6940, -61.7530, -31.7450

Conversions

Conversions Part 2

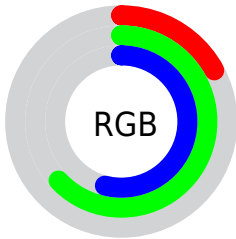
Format	Color
RYB	44, 108, 160
Decimal	2924681
CIELab	59.42, -37.29, 2.82
CIElCh	59, 37.394, 175.668
Yxy	27.4832, 0.2462, 0.3733
Android (android.graphics.Color)	4281114761 (0xFF2CA089)
YUV	122.6940, 7.0529, -69.0146
Hunter-Lab	52.4244, -30.0292, 5.0116

Details

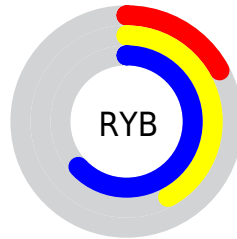
The XYZ color **18.1249, 27.4832, 28.0164** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.4120, 9.6811, 6.3151**, and the grayscale version is **18.7191, 19.6939, 21.4467**.

A 20% lighter version of the original color is **39.6581, 55.4444, 57.3268**, and **7.0829, 11.4132, 10.8465** is the 20% darker color. If you saturate the color by 10%, you get **17.3414, 27.1059, 26.8096**, and if you desaturate by 10%, it is **19.1816, 28.0019, 29.2722**.

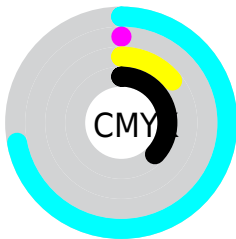
Distribution



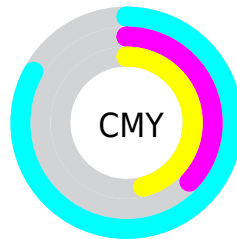
- Red (17%)
- Green (63%)
- Blue (54%)



- Red (17%)
- Yellow (42%)
- Blue (63%)



- Cyan (72%)
- Magenta (0%)
- Yellow (14%)
- Black (37%)



- Cyan (83%)
- Magenta (37%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1249, 27.4832, 28.0164 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 18.1249, 27.4832, 28.0164 by changing the saturation by 10% instead.

■ 18.1249, 27.4832,
28.0164

■ 18.1249, 27.4832,
28.0164

234.6061,
289.9891, 306.4597

■ 11.1399, 17.9365,
18.0989

■ 39.7785, 55.6583,
57.5340

■ 6.2290, 10.9044,
10.8508

■ 55.1777, 75.0554,
77.9712

■ 3.0268, 6.0026,
5.8537

■ 74.1125, 98.5048,
102.7521

■ 1.1680, 2.8466,
2.6890

■ 96.9481, 126.3908,
132.2951

■ 0.0808, 1.0522,
0.9379

■ 124.0499,
159.0978, 167.0188

■ 0.0000, 0.0000,
0.0000

155.7833,

197.0103, 207.3418

192.5136,
240.5126, 253.6826

■ 18.1249, 27.4832,
28.0164

■ 18.1249, 27.4832,
28.0164

■ 17.3414, 27.1059,
26.8096

■ 19.1816, 28.0019,
29.2722

■ 16.7964, 26.8500,
25.6479

■ 20.5365, 28.6730,
30.5766

■ 16.4856, 26.7082,
24.8034

■ 22.2144, 29.5097,
31.9316

■ 24.2368, 30.5232,
33.3386

■ 26.6232, 31.7236,
34.7986

■ 29.3918, 33.1202,
36.3130

■ 32.5595, 34.7218,
37.8826

■ 36.1421, 36.5364,
39.5086

■ 40.1548, 38.5719,
41.1920

Harmonies

Analogous

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



19.3627, 27.4832, 17.5981



18.1249, 27.4832, 28.0164



18.8104, 27.4832, 42.5578

Triad

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



18.1249, 27.4832, 28.0164



30.2243, 27.4832, 59.7459



31.5430, 27.4832, 13.2676

Complementary

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



18.1249, 27.4832, 28.0164



16.4120, 9.6811, 6.3151

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.



35.1183, 27.4832, 20.0771



18.1249, 27.4832, 28.0164



34.2954, 27.4832, 46.9740

Square

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



18.1249, 27.4832, 28.0164



25.4469, 27.4832, 63.7547



36.1810, 27.4832, 31.9174



26.8088, 27.4832, 10.8580

Rectangle

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



18.1249, 27.4832, 28.0164



20.3153, 27.4832, 52.4502



36.1810, 27.4832, 31.9174



32.9413, 27.4832, 14.9961

Sweetspot

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



18.1257, 27.4843, 28.0170



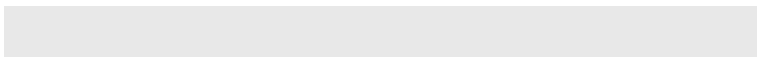
48.3721, 57.6160, 63.2017



15.3549, 26.5249, 6.6941



10.3559, 12.5087, 13.7131



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1257, 27.4843, 28.0170



30.8273, 48.9037, 47.3634



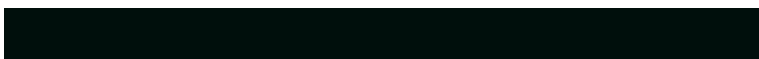
14.7438, 17.7927, 35.9161



6.7654, 7.4869, 8.1994



12.8573, 20.8109, 19.4036



0.2431, 0.3774, 0.4165

Inverse Universe

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



16.4120, 9.6811, 6.3151



27.6233, 14.7239, 6.1263



17.7344, 13.2197, 4.0005



6.6842, 6.6666, 7.1880



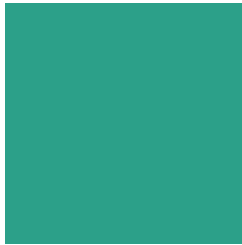
11.5065, 5.9072, 1.6523



0.2185, 0.1107, 0.0970

Previews

White Background



This preview shows how the XYZ color 18.1249, 27.4832, 28.0164 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 18.1249, 27.4832, 28.0164 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

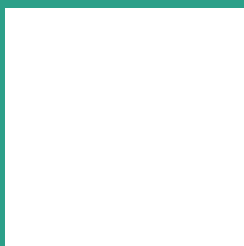
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1249, 27.4832, 28.0164

Background



This preview shows how black text looks on a background with the XYZ color 18.1249, 27.4832, 28.0164.

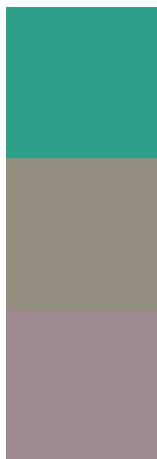


This preview shows how white text looks on a background with the XYZ color 18.1249, 27.4832,

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

18.1249, 27.4832, 28.0164

Protanopia

25.7165, 27.1742, 23.9684

Deuteranopia

27.6813, 27.1979, 29.3819



Tritanopia

20.8808, 27.5962, 41.2718

Trichromacy



Original Color

18.1249, 27.4832, 28.0164

Protanomaly

21.2746, 26.4486, 25.4565

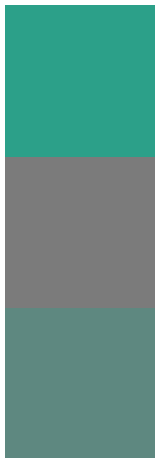
Deuteranomaly

22.0827, 26.0961, 28.6841

Tritanomaly

19.7183, 27.3605, 36.1401

Monochromacy



Original Color

18.1249, 27.4832, 28.0164

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.3165, 21.5465, 23.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1249, 27.4832, 28.0164 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(44, 160, 137)` looks like.

```
.text, #text, p{  
  color:rgb(44, 160, 137)  
}
```

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(44, 160, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 137) }
```

Border

The CSS property to change the border of an element to XYZ 18.1249, 27.4832, 28.0164 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(44, 160, 137) }
```


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

```
.border{ border-color:rgb(44, 160, 137) }
```

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

Here you see how a box with a 4 pixel rgb(44, 160, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 137);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1249, 27.4832, 28.0164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 137) }
```

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

```
.background{ background-color: rgb(44, 160,  
137) }
```

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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