

Converting Colors

XYZ(18.3781, 27.7876, 27.7962)

Have a look what the booklet for
XYZ(18.3781, 27.7876, 27.7962)
contains.

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Color

**XYZ(18.4077, 27.8957,
27.7068)**

Conversions

Conversions Part 1

Format	Color
Hex	30A188
RGB	48, 161, 136
RGB Percent	19%, 63%, 53%
CMY	0.8118, 0.3686, 0.4667
CMYK	0.70, 0.00, 0.16, 0.37
HSL	167°, 54%, 41%
HSV	167°, 70%, 63%
XYZ	18.4077, 27.8957, 27.7068
YIQ	124.3630, -59.3230, -31.7310

Conversions

Conversions Part 2

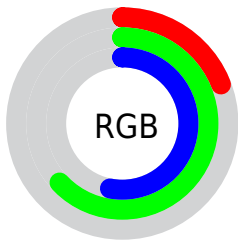
Format	Color
RYB	48, 112, 161
Decimal	3187080
CIELab	59.79, -37.42, 3.94
CIELCh	60, 37.624, 173.985
Yxy	27.8957, 0.2487, 0.3769
Android (android.graphics.Color)	4281377160 (0xFF30A188)
YUV	124.3630, 5.7370, -66.9704
Hunter-Lab	52.8164, -30.2174, 5.8687

Details

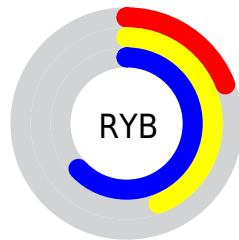
The XYZ color **18.4077, 27.8957, 27.7068** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.9584, 10.1727, 7.3739**, and the grayscale version is **19.2757, 20.2795, 22.0844**.

A 20% lighter version of the original color is **40.1716, 56.1009, 56.8554**, and **7.1484, 11.6092, 10.6681** is the 20% darker color. If you saturate the color by 10%, you get **17.5330, 27.4742, 26.3667**, and if you desaturate by 10%, it is **19.5680, 28.4648, 29.1055**.

Distribution



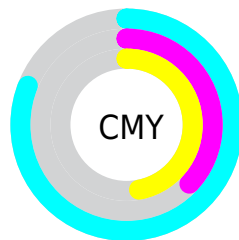
- Red (19%)
- Green (63%)
- Blue (53%)



- Red (19%)
- Yellow (44%)
- Blue (63%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (37%)



- Cyan (81%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4077, 27.8957, 27.7068 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 18.4077, 27.8957, 27.7068 by changing the saturation by 10% instead.

■ 18.4077, 27.8957,
27.7068

■ 18.4077, 27.8957,
27.7068

236.1605,
291.9682, 304.9310

■ 11.3445, 18.2471,
17.8676

■ 40.2555, 56.3179,
57.0334

■ 6.3681, 11.1275,
10.6865

■ 55.7708, 75.8602,
77.3580

■ 3.1129, 6.1527,
5.7450

■ 74.8343, 99.4692,
102.0148

■ 1.2138, 2.9381,
2.6244

■ 97.8112, 127.5293,
131.4224

■ 0.1172, 1.0995,
0.9050

■ 125.0669,
160.4248, 165.9992

■ 0.0000, 0.0000,
0.0000

156.9668,

198.5402, 206.1639

193.8762,
242.2599, 252.3350

■ 18.4077, 27.8957,
27.7068

■ 18.4077, 27.8957,
27.7068

■ 17.5330, 27.4742,
26.3667

■ 19.5680, 28.4648,
29.1055

■ 16.9100, 27.1808,
25.0812

■ 21.0384, 29.1921,
30.5624

■ 16.4714, 26.9811,
23.8694

■ 22.8433, 30.0909,
32.0798

■ 25.0043, 31.1722,
33.6589

■ 27.5407, 32.4460,
35.3012

■ 30.4708, 33.9218,
37.0079

■ 33.8115, 35.6082,
38.7801

■ 37.5787, 37.5135,
40.6190

■ 41.7874, 39.6453,
42.5257

Harmonies

Analogous

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



19.7734, 27.8957, 17.4121



18.4077, 27.8957, 27.7068



18.9945, 27.8957, 42.3347

Triad

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



18.4077, 27.8957, 27.7068



30.4147, 27.8957, 61.2004



32.2732, 27.8957, 13.7117

Complementary

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



18.4077, 27.8957, 27.7068



16.9584, 10.1727, 7.3739

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.



35.7948, 27.8957, 20.9088



18.4077, 27.8957, 27.7068



34.6351, 27.8957, 48.5580

Square

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



18.4077, 27.8957, 27.7068



25.5657, 27.8957, 64.6466



36.7070, 27.8957, 33.2064



27.4855, 27.8957, 11.0409

Rectangle

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



18.4077, 27.8957, 27.7068



20.4541, 27.8957, 52.4782



36.7070, 27.8957, 33.2064



33.6662, 27.8957, 15.5547

Sweetspot

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



18.4085, 27.8968, 27.7075



48.7349, 57.8110, 62.8573



16.1316, 27.1747, 7.1917



10.4227, 12.5453, 13.6182



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.



18.4085, 27.8968, 27.7075



30.7452, 48.8922, 45.9652



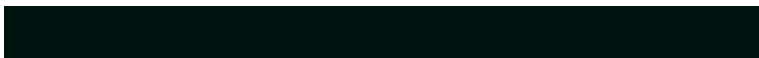
15.7512, 19.3994, 36.6338



7.2087, 7.9843, 8.7109



13.1704, 21.5545, 19.1455



0.2925, 0.4592, 0.4852

Inverse Universe

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



16.9584, 10.1727, 7.3739



28.0595, 15.1551, 7.6317



17.9662, 13.2590, 4.4090



7.1350, 7.1104, 7.6971



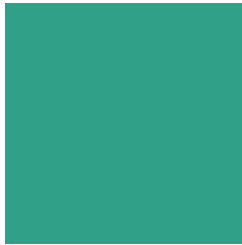
12.0017, 6.1567, 1.9337



0.2683, 0.1358, 0.1255

Previews

White Background



This preview shows how the XYZ color 18.4077, 27.8957, 27.7068 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 18.4077, 27.8957, 27.7068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

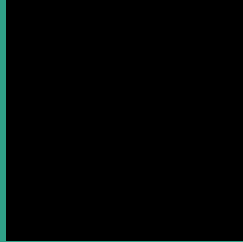
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4077, 27.8957, 27.7068

Background



This preview shows how black text looks on a background with the XYZ color 18.4077, 27.8957, 27.7068.

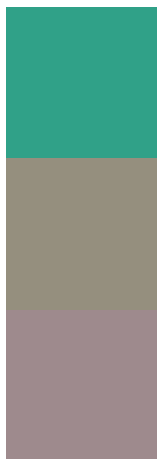


This preview shows how white text looks on a background with the XYZ color 18.4077, 27.8957,

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

18.4077, 27.8957, 27.7068

Protanopia

25.9828, 27.5408, 23.6851

Deuteranopia

27.9967, 27.3691, 29.0065



Tritanopia

21.1643, 27.7315, 41.7734

Trichromacy



Original Color

18.4077, 27.8957, 27.7068

Protanomaly

21.6177, 26.8691, 25.1660

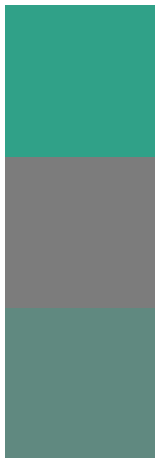
Deuteranomaly

22.4103, 26.2734, 28.3162

Tritanomaly

20.0576, 27.7876, 36.2047

Monochromacy



Original Color

18.4077, 27.8957, 27.7068

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.6658, 21.9366, 23.7252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4077, 27.8957, 27.7068 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(48, 161, 136)` looks like.

```
.text, #text, p{  
    color:rgb(48, 161, 136)  
}
```

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(48, 161, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 161, 136) }
```

Border

The CSS property to change the border of an element to XYZ 18.4077, 27.8957, 27.7068 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(48, 161, 136) }
```


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

```
.border{ border-color:rgb(48, 161, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 161, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 161, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 161, 136);  
box-shadow:4px 4px 4px 4px rgb(48, 161,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4077, 27.8957, 27.7068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 161, 136) }
```

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

```
.background{ background-color: rgb(48, 161,  
136) }
```

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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