

Converting Colors

XYZ(18.6140, 29.9352, 27.5790)

Have a look what the booklet for
XYZ(18.6140, 29.9352, 27.5790)
contains.

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Color

**XYZ(18.6070, 29.8737,
27.7072)**

Conversions

Conversions Part 1

Format	Color
Hex	11A887
RGB	17, 168, 135
RGB Percent	7%, 66%, 53%
CMY	0.9333, 0.3412, 0.4706
CMYK	0.90, 0.00, 0.20, 0.34
HSL	167°, 82%, 36%
HSV	167°, 90%, 66%
XYZ	18.6070, 29.8737, 27.7072
YIQ	119.0890, -79.4030, -42.2750

Conversions

Conversions Part 2

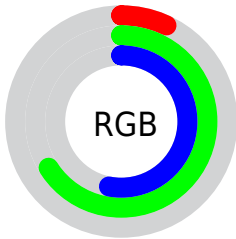
Format	Color
RYB	17, 102, 168
Decimal	1157255
CIELab	61.55, -43.92, 6.96
CIELCh	62, 44.470, 170.995
Yxy	29.8737, 0.2442, 0.3921
Android (android.graphics.Color)	4279347335 (0xFF11A887)
YUV	119.0890, 7.8441, -89.5321
Hunter-Lab	54.6568, -34.8821, 8.2039

Details

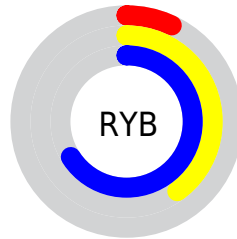
The XYZ color **18.6070, 29.8737, 27.7072** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.9258, 8.9569, 3.8562**, and the grayscale version is **17.5585, 18.4729, 20.1169**.

A 20% lighter version of the original color is **40.5566, 59.4289, 56.9103**, and **7.7704, 12.9173, 10.6781** is the 20% darker color. If you saturate the color by 10%, you get **18.1249, 29.6553, 26.3587**, and if you desaturate by 10%, it is **19.2931, 30.1977, 29.1131**.

Distribution



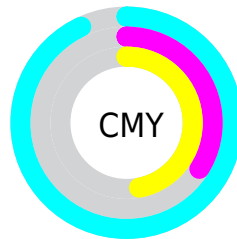
- Red (7%)
- Green (66%)
- Blue (53%)



- Red (7%)
- Yellow (40%)
- Blue (66%)



- Cyan (90%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (93%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6070, 29.8737, 27.7072 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 18.6070, 29.8737, 27.7072 by changing the saturation by 10% instead.

■ 18.6070, 29.8737,
27.7072

■ 18.6070, 29.8737,
27.7072

237.2505,
301.3153, 304.9329

■ 11.4890, 19.7427,
17.8679

■ 40.5910, 59.4624,
57.0341

■ 6.4664, 12.2082,
10.6868

■ 56.1877, 79.6889,
77.3588

■ 3.1741, 6.8856,
5.7451

■ 75.3412, 104.0494,
102.0158

■ 1.2465, 3.3907,
2.6244

■ 98.4171, 132.9283,
131.4235

■ 0.1426, 1.3389,
0.9050

■ 125.7806,
166.7099, 166.0005

■ 0.0000, 0.1711,
0.0000

■ 157.7971,

■ 0.0000, 0.0000,

205.7787, 206.1654

0.0000

194.8319,
250.5190, 252.3367

■ 18.6070, 29.8737,
27.7072

■ 18.6070, 29.8737,
27.7072

■ 18.1249, 29.6553,
26.3587

■ 19.2931, 30.1977,
29.1131

■ 18.1190, 29.6526,
26.3418

■ 20.2575, 30.6635,
30.5784

■ 21.5361, 31.2901,
32.1058

■ 23.1587, 32.0931,
33.6972

■ 25.1514, 33.0857,
35.3543

■ 27.5381, 34.2804,
37.0787

■ 30.3403, 35.6882,
38.8716

■ 33.5781, 37.3195,
40.7346

■ 37.2704, 39.1839,
42.6689

Harmonies

Analogous

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



20.4662, 29.8737, 16.0773



18.6070, 29.8737, 27.7072



19.0731, 29.8737, 45.5976

Triad

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



18.6070, 29.8737, 27.7072



32.6513, 29.8737, 73.2140



36.1410, 29.8737, 13.2625

Complementary

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



18.6070, 29.8737, 27.7072



16.9258, 8.9569, 3.8562

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.



40.3435, 29.8737, 22.2290



18.6070, 29.8737, 27.7072



38.1430, 29.8737, 57.5305

Square

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



18.6070, 29.8737, 27.7072



26.6569, 29.8737, 76.2695



41.1229, 29.8737, 37.8765



30.2051, 29.8737, 9.8481

Rectangle

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



18.6070, 29.8737, 27.7072



20.6704, 29.8737, 58.8032



41.1229, 29.8737, 37.8765



37.8357, 29.8737, 15.5433

Sweetspot

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



18.6078, 29.8749, 27.7079



51.1090, 62.7761, 68.0443



15.5332, 28.7833, 5.2680



10.8031, 13.5137, 14.6044



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.



18.6078, 29.8749, 27.7079



32.7957, 53.7740, 47.3631



14.9848, 18.3170, 39.7928



7.6763, 8.5036, 9.2815



13.7019, 22.3995, 19.9947



0.3504, 0.5518, 0.5759

Inverse Universe

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



16.9258, 8.9569, 3.8562



29.8359, 15.3195, 4.1734



17.7272, 11.3195, 1.7815



7.5957, 7.5682, 8.1884



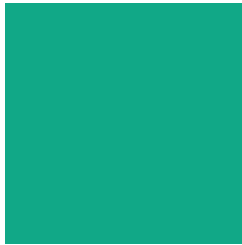
12.4598, 6.3926, 1.9671



0.3211, 0.1627, 0.1425

Previews

White Background



This preview shows how the XYZ color 18.6070, 29.8737, 27.7072 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 18.6070, 29.8737, 27.7072 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 18.6070, 29.8737, 27.7072

Background



This preview shows how black text looks on a background with the XYZ color 18.6070, 29.8737, 27.7072.



This preview shows how white text looks on a background with the XYZ color 18.6070, 29.8737,

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

18.6070, 29.8737, 27.7072

Protanopia

27.5894, 29.2912, 23.2684

Deuteranopia

29.9400, 29.4605, 29.3077



Tritanopia

22.1730, 29.7053, 45.6394

Trichromacy



Original Color

18.6070, 29.8737, 27.7072

Protanomaly

21.4433, 28.0045, 24.6973

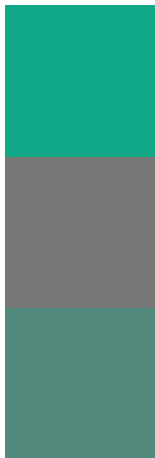
Deuteranomaly

22.4440, 27.7001, 28.5898

Tritanomaly

20.5452, 29.5555, 38.3401

Monochromacy



Original Color

18.6070, 29.8737, 27.7072

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.1270, 21.1658, 22.6375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6070, 29.8737, 27.7072 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(17, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(17, 168, 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(17, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 168, 135) }
```

Border

The CSS property to change the border of an element to XYZ 18.6070, 29.8737, 27.7072 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(17, 168, 135) }
```


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

```
.border{ border-color:rgb(17, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(17, 168,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6070, 29.8737, 27.7072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 168, 135) }
```

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

```
.background{ background-color: rgb(17, 168,  
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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