

Converting Colors

XYZ(18.6896, 30.5046, 27.0644)

Have a look what the booklet for
XYZ(18.6896, 30.5046, 27.0644)
contains.

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Color

**XYZ(18.6835, 30.4816,
27.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	06AA85
RGB	6, 170, 133
RGB Percent	2%, 67%, 52%
CMY	0.9764, 0.3333, 0.4784
CMYK	0.96, 0.00, 0.22, 0.33
HSL	166°, 93%, 35%
HSV	166°, 96%, 67%
XYZ	18.6835, 30.4816, 27.0891
YIQ	116.7460, -85.8670, -46.2750

Conversions

Conversions Part 2

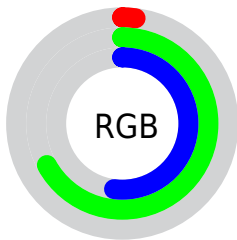
Format	Color
RYB	6, 98, 170
Decimal	436869
CIELab	62.07, -45.78, 8.81
CIELCh	62, 46.617, 169.106
Yxy	30.4816, 0.2450, 0.3997
Android (android.graphics.Color)	4278626949 (0xFF06AA85)
YUV	116.7460, 8.0132, -97.1242
Hunter-Lab	55.2101, -36.2121, 9.5562

Details

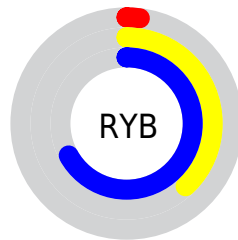
The XYZ color **18.6835, 30.4816, 27.0891** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.0800, 8.8517, 3.0961**, and the grayscale version is **16.8274, 17.7038, 19.2794**.

A 20% lighter version of the original color is **40.6754, 60.3176, 55.9530**, and **7.9226, 13.3471, 10.3423** is the 20% darker color. If you saturate the color by 10%, you get **18.5156, 30.4066, 26.5949**, and if you desaturate by 10%, it is **19.2328, 30.7343, 28.5245**.

Distribution



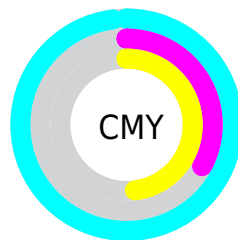
- Red (2%)
- Green (67%)
- Blue (52%)



- Red (2%)
- Yellow (38%)
- Blue (67%)



- Cyan (96%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (98%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6835, 30.4816, 27.0891 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 18.6835, 30.4816, 27.0891 by changing the saturation by 10% instead.


 18.6835, 30.4816,
27.0891


 18.6835, 30.4816,
27.0891


237.6677,
304.1429, 301.8621


 11.5445, 20.2044,
17.4071


 40.7196, 60.4230,
56.0323


 6.5043, 12.5437,
10.3602


 56.3474, 80.8560,
76.1306


 3.1976, 7.1151,
5.5297


 75.5355, 105.4430,
100.5380

 1.2591, 3.5342,
2.4972

 98.6492, 134.5685,
129.6732

 0.1523, 1.4166,
0.8386

 126.0539,
168.6168, 163.9547

 0.0000, 0.2289,
0.0000

 158.1150,

 0.0000, 0.0000,

207.9724, 203.8010

0.0000

195.1978,
253.0196, 249.6306

■ 18.6835, 30.4816,
27.0891

■ 18.6835, 30.4816,
27.0891

■ 18.5156, 30.4066,
26.5949

■ 19.2328, 30.7343,
28.5245

■ 20.0346, 31.1154,
30.0220

■ 21.1370, 31.6502,
31.5852

■ 22.5738, 32.3563,
33.2162

■ 24.3744, 33.2487,
34.9168

■ 26.5648, 34.3410,
36.6886

■ 29.1686, 35.6452,
38.5334

■ 32.2076, 37.1725,
40.4527

■ 35.7020, 38.9334,
42.4477

Harmonies

Analogous

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



20.7898, 30.4816, 15.3454



18.6835, 30.4816, 27.0891



19.0186, 30.4816, 45.8042

Triad

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



18.6835, 30.4816, 27.0891



33.0944, 30.4816, 77.6012



37.5912, 30.4816, 13.3509

Complementary

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



18.6835, 30.4816, 27.0891



17.0800, 8.8517, 3.0961

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.



41.9039, 30.4816, 23.1333



18.6835, 30.4816, 27.0891



39.0603, 30.4816, 61.2706

Square

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



18.6835, 30.4816, 27.0891



26.7552, 30.4816, 79.8744



42.4772, 30.4816, 40.1427



31.3077, 30.4816, 9.5375

Rectangle

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



18.6835, 30.4816, 27.0891



20.5967, 30.4816, 60.0380



42.4772, 30.4816, 40.1427



39.3559, 30.4816, 15.8438

Sweetspot

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



18.6843, 30.4828, 27.0898



51.3897, 63.9041, 68.8712



15.4592, 29.3054, 5.0147



11.0238, 14.0324, 15.0488



82.5889, 86.8899, 94.6231



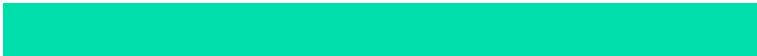
15.4596, 16.2647, 17.7123

Same Dimension

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



18.6843, 30.4828, 27.0898



33.5078, 55.1334, 47.8002



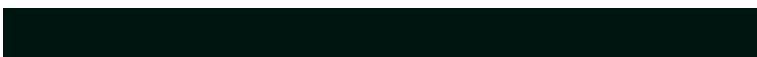
14.8274, 17.9333, 40.7115



7.6740, 8.5027, 9.2696



13.6416, 22.3754, 19.6773



0.3493, 0.5514, 0.5703

Inverse Universe

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



17.0800, 8.8517, 3.0961



30.6553, 15.7367, 4.4461



17.7411, 10.8195, 1.3263



7.5979, 7.5690, 8.1996



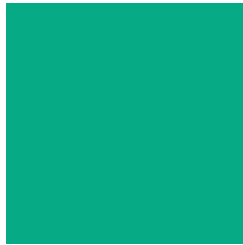
12.4744, 6.3985, 2.0439



0.3219, 0.1630, 0.1467

Previews

White Background



This preview shows how the XYZ color 18.6835, 30.4816, 27.0891 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.6835, 30.4816, 27.0891 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 ✓ Pass

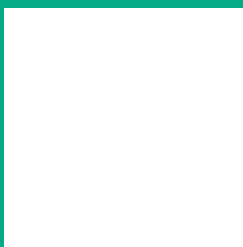
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6835, 30.4816, 27.0891

Background



This preview shows how black text looks on a background with the XYZ color 18.6835, 30.4816, 27.0891.

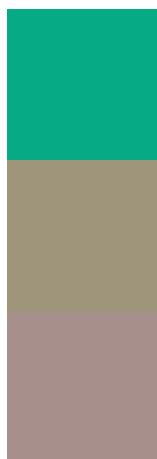


This preview shows how white text looks on a background with the XYZ color 18.6835, 30.4816,

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

18.6835, 30.4816, 27.0891

Protanopia

28.3608, 30.1691, 22.7408

Deuteranopia

30.5698, 30.0261, 28.6105



Tritanopia

22.6795, 30.4821, 46.2833

Trichromacy



Original Color

18.6835, 30.4816, 27.0891



Protanomaly

21.4164, 28.5039, 24.1117



Deuteranomaly

22.0909, 27.7768, 27.8640



Tritanomaly

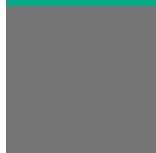
20.7968, 30.2207, 38.4553

Monochromacy



Original Color

18.6835, 30.4816, 27.0891



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.4399, 20.6162, 21.9044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6835, 30.4816, 27.0891 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(6, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(6, 170, 133)  
}
```

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(6, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 170, 133) }
```

Border

The CSS property to change the border of an element to XYZ 18.6835, 30.4816, 27.0891 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(6, 170, 133) }
```


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

```
.border{ border-color:rgb(6, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(6, 170,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6835, 30.4816, 27.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 170, 133) }
```

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

```
.background{ background-color: rgb(6, 170,  
133) }
```

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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