

Converting Colors

XYZ(18.0967, 30.4940, 23.6026)

Have a look what the booklet for
XYZ(18.0967, 30.4940, 23.6026)
contains.

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Color

**XYZ(18.1381, 30.5559,
23.6808)**

Conversions

Conversions Part 1

Format	Color
Hex	00AB7B
RGB	0, 171, 123
RGB Percent	0%, 67%, 48%
CMY	0.9999, 0.3294, 0.5176
CMYK	1.00, 0.00, 0.28, 0.33
HSL	163°, 100%, 34%
HSV	163°, 100%, 67%
XYZ	18.1381, 30.5559, 23.6808
YIQ	114.3990, -86.5080, -51.1800

Conversions

Conversions Part 2

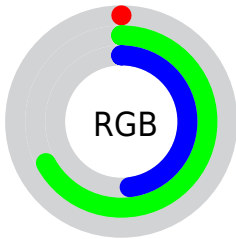
Format	Color
RYB	0, 99, 171
Decimal	43899
CIELab	62.13, -48.91, 14.43
CIELCh	62, 50.992, 163.558
Yxy	30.5559, 0.2506, 0.4222
Android (android.graphics.Color)	4278233979 (0xFF00AB7B)
YUV	114.3990, 4.2403, -100.3279
Hunter-Lab	55.2774, -38.1645, 13.2944

Details

The XYZ color **18.1381, 30.5559, 23.6808** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **17.3293, 8.8722, 3.5975**, and the grayscale version is **16.1224, 16.9620, 18.4717**.

A 20% lighter version of the original color is **39.7192, 60.3481, 50.6292**, and **7.5973, 13.2170, 8.6293** is the 20% darker color. If you saturate the color by 10%, you get **18.1384, 30.5569, 23.6798**, and if you desaturate by 10%, it is **18.6800, 30.8005, 25.3144**.

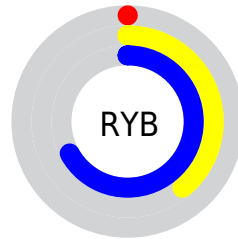
Distribution



Red (0%)

Green (67%)

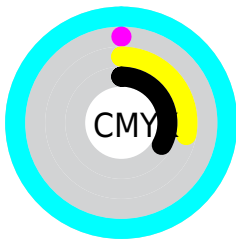
Blue (48%)



Red (0%)

Yellow (39%)

Blue (67%)

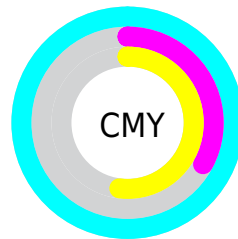


Cyan (100%)

Magenta (0%)

Yellow (28%)

Black (33%)



Cyan (100%)

Magenta (33%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1381, 30.5559, 23.6808 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 18.1381, 30.5559, 23.6808 by changing the saturation by 10% instead.

■ 18.1381, 30.5559,
23.6808

■ 18.1381, 30.5559,
23.6808

234.6789,
304.4871, 284.4371

■ 11.1495, 20.2609,
14.8870

■ 39.8007, 60.5402,
50.4461

■ 6.2355, 12.5848,
8.5944

■ 55.2055, 80.9983,
69.2547

■ 3.0308, 7.1433,
4.3844

■ 74.1463, 105.6129,
92.2386

■ 1.1701, 3.5519,
1.8385

■ 96.9885, 134.7684,
119.8164

■ 0.0825, 1.4262,
0.4532

■ 124.0975,
168.8491, 152.4066

■ 0.0000, 0.2359,
0.0000

■ 155.8387,

■ 0.0000, 0.0000,

208.2396, 190.4277

0.0000

192.5773,
253.3241, 234.2984

■ 18.1381, 30.5559,
23.6808

■ 18.1381, 30.5559,
23.6808

■ 18.1384, 30.5569,
23.6798

■ 18.6800, 30.8005,
25.3144

■ 19.4366, 31.1532,
27.0355

■ 20.4892, 31.6567,
28.8494

■ 21.8745, 32.3301,
30.7590

■ 23.6239, 33.1893,
32.7668

■ 25.7650, 34.2486,
34.8750

■ 28.3226, 35.5209,
37.0857

■ 31.3195, 37.0177,
39.4009

■ 34.7767, 38.7499,
41.8227

Harmonies

Analogous

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



20.8673, 30.5559, 12.7142



18.1381, 30.5559, 23.6808



18.0128, 30.5559, 42.9363

Triad

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



18.1381, 30.5559, 23.6808



32.2461, 30.5559, 85.1734



39.6902, 30.5559, 13.4358

Complementary

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



18.1381, 30.5559, 23.6808



17.3293, 8.8722, 3.5975

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.



43.8477, 30.5559, 25.1759



18.1381, 30.5559, 23.6808



39.1146, 30.5559, 68.8479

Square

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



18.1381, 30.5559, 23.6808



25.4661, 30.5559, 84.2554



43.6218, 30.5559, 45.1513



32.9389, 30.5559, 8.5972

Rectangle

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



18.1381, 30.5559, 23.6808



19.3776, 30.5559, 58.8301



43.6218, 30.5559, 45.1513



41.4816, 30.5559, 16.4505

Sweetspot

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



18.1389, 30.5571, 23.6815



50.4550, 63.4804, 66.1972



15.8045, 29.7666, 4.9131



10.8166, 13.9397, 14.3967



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.



18.1389, 30.5571, 23.6815



32.3890, 54.6859, 41.9088



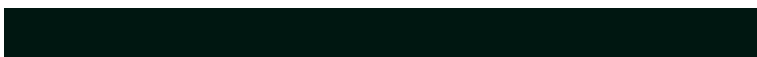
15.8702, 19.9786, 41.5493



8.1390, 9.0332, 9.7568



13.6965, 23.0439, 17.9731



0.4028, 0.6498, 0.6145

Inverse Universe

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



17.3293, 8.8722, 3.5975



30.9555, 15.8568, 6.0271



17.4589, 9.9855, 1.0077



8.0942, 8.0509, 8.8070



13.0828, 6.6957, 2.8156



0.3875, 0.1957, 0.2024

Previews

White Background



This preview shows how the XYZ color 18.1381, 30.5559, 23.6808 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 18.1381, 30.5559, 23.6808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

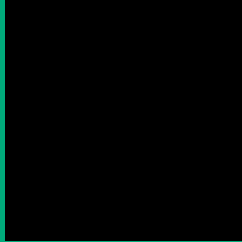
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 18.1381, 30.5559, 23.6808

Background



This preview shows how black text looks on a background with the XYZ color 18.1381, 30.5559, 23.6808.



This preview shows how white text looks on a background with the XYZ color 18.1381, 30.5559,

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

18.1381, 30.5559, 23.6808

Protanopia

28.2253, 30.1607, 19.9568

Deuteranopia

30.7303, 30.1894, 24.9764



Tritanopia

22.8986, 30.5951, 46.2935

Trichromacy



Original Color

18.1381, 30.5559, 23.6808



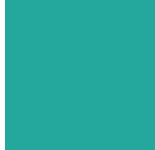
Protanomaly

20.7473, 28.2231, 21.1837



Deuteranomaly

21.6930, 27.8947, 24.3195



Tritanomaly

20.6321, 30.4468, 36.6877

Monochromacy



Original Color

18.1381, 30.5559, 23.6808



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.6225, 20.0288, 19.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1381, 30.5559, 23.6808 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(0, 171, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 123)  
}
```

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(0, 171, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.1381, 30.5559, 23.6808 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(0, 171, 123) }
```


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

```
.border{ border-color:rgb(0, 171, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1381, 30.5559, 23.6808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 123) }
```

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

```
.background{ background-color: rgb(0, 171,  
123) }
```

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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