

Converting Colors

XYZ(18.6060, 28.4547, 33.1979)

Have a look what the booklet for
XYZ(18.6060, 28.4547, 33.1979)
contains.

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Color

**XYZ(18.6022, 28.3964,
33.3548)**

Conversions

Conversions Part 1

Format	Color
Hex	00A396
RGB	0, 163, 150
RGB Percent	0%, 64%, 59%
CMY	0.9999, 0.3608, 0.4118
CMYK	1.00, 0.00, 0.08, 0.36
HSL	175°, 100%, 32%
HSV	175°, 100%, 64%
XYZ	18.6022, 28.3964, 33.3548
YIQ	112.7810, -92.9750, -38.5990

Conversions

Conversions Part 2

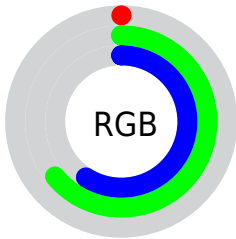
Format	Color
RYB	0, 85, 163
Decimal	41878
CIELab	60.25, -38.34, -3.37
CIELCh	60, 38.492, 185.016
Yxy	28.3964, 0.2315, 0.3534
Android (android.graphics.Color)	4278231958 (0xFF00A396)
YUV	112.7810, 18.3490, -98.9089
Hunter-Lab	53.2883, -30.9426, 0.1903

Details

The XYZ color **18.6022, 28.3964, 33.3548** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.1778, 7.8164, 1.0903**, and the grayscale version is **15.6005, 16.4129, 17.8737**.

A 20% lighter version of the original color is **40.6442, 57.2980, 66.0442**, and **7.8281, 12.0527, 13.7182** is the 20% darker color. If you saturate the color by 10%, you get **18.6026, 28.3973, 33.3548**, and if you desaturate by 10%, it is **18.9273, 28.5525, 33.9203**.

Distribution



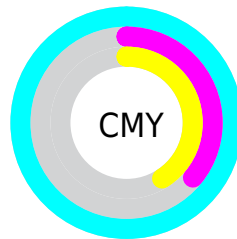
- Red (0%)
- Green (64%)
- Blue (59%)



- Red (0%)
- Yellow (33%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6022, 28.3964, 33.3548 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 18.6022, 28.3964, 33.3548 by changing the saturation by 10% instead.

■ 18.6022, 28.3964,
33.3548

■ 18.6022, 28.3964,
33.3548

237.2243,
294.3562, 331.9264

■ 11.4855, 18.6247,
22.1250

■ 40.5829, 57.1167,
66.0514

■ 6.4641, 11.3994,
13.7496

■ 56.1776, 76.8341,
88.3554

■ 3.1726, 6.3362,
7.8100

■ 75.3290, 100.6354,
115.1879

■ 1.2457, 3.0505,
3.8876

■ 98.4025, 128.9052,
146.9674

■ 0.1420, 1.1582,
1.5639

■ 125.7635,
162.0278, 184.1124

■ 0.0000, 0.0271,
0.2648

■ 157.7771,

■ 0.0000, 0.0000,

200.3876, 227.0416

0.0000

194.8090,
244.3689, 276.1734

■ 18.6022, 28.3964,
33.3548

■ 18.6022, 28.3964,
33.3548

■ 18.6026, 28.3973,
33.3548

■ 18.9273, 28.5525,
33.9203

■ 19.4297, 28.7992,
34.4996

■ 20.1851, 29.1761,
35.0968

■ 21.2258, 29.7001,
35.7135

■ 22.5793, 30.3852,
36.3510

■ 24.2701, 31.2439,
37.0104

■ 26.3200, 32.2877,
37.6929

■ 28.7491, 33.5269,
38.3992

■ 31.5760, 34.9709,
39.1304

Harmonies

Analogous

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



19.2742, 28.3964, 20.8077



18.6022, 28.3964, 33.3548



19.9443, 28.3964, 49.2683

Triad

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



18.6022, 28.3964, 33.3548



32.8054, 28.3964, 58.9231



31.1968, 28.3964, 12.2564

Complementary

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



18.6022, 28.3964, 33.3548



15.1778, 7.8164, 1.0903

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.



35.5256, 28.3964, 17.8062



18.6022, 28.3964, 33.3548



36.5308, 28.3964, 43.8674

Square

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



18.6022, 28.3964, 33.3548



27.8276, 28.3964, 66.6337



37.5821, 28.3964, 28.6045



26.1692, 28.3964, 10.9876

Rectangle

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



18.6022, 28.3964, 33.3548



21.9096, 28.3964, 58.9364



37.5821, 28.3964, 28.6045



32.8005, 28.3964, 13.5780

Sweetspot

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



18.6030, 28.3975, 33.3555



46.9087, 57.7072, 67.4320



13.2728, 26.2856, 4.3747



10.1901, 12.7848, 15.0338



78.6606, 82.7571, 90.1225



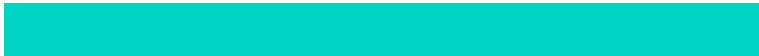
14.0027, 14.7319, 16.0430

Same Dimension

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



18.6030, 28.3975, 33.3555



33.2800, 50.8417, 59.5508



10.7120, 10.8459, 36.1804



7.2516, 8.0015, 8.9368



14.4650, 22.0723, 25.9629



0.3106, 0.4665, 0.5807

Inverse Universe

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



15.1778, 7.8164, 1.0903



27.1509, 13.9852, 1.7940



17.1678, 11.9126, 1.3951



7.0956, 7.0947, 7.4901



11.8027, 6.0772, 0.8859



0.2545, 0.1303, 0.0526

Previews

White Background



This preview shows how the XYZ color 18.6022, 28.3964, 33.3548 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 18.6022, 28.3964, 33.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

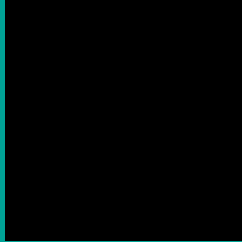
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6022, 28.3964, 33.3548

Background



This preview shows how black text looks on a background with the XYZ color 18.6022, 28.3964, 33.3548.

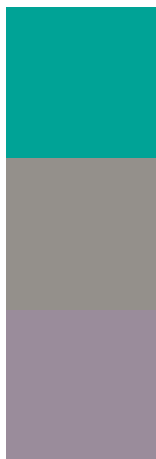


This preview shows how white text looks on a background with the XYZ color 18.6022, 28.3964,

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

18.6022, 28.3964, 33.3548

Protanopia

26.8462, 28.1065, 28.4362

Deuteranopia

28.6209, 27.9927, 34.9050



Tritanopia

20.9503, 28.5901, 43.9494

Trichromacy



Original Color

18.6022, 28.3964, 33.3548

Protanomaly

20.6406, 26.4961, 30.0130

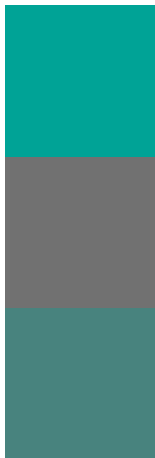
Deuteranomaly

21.3767, 26.0764, 34.0436

Tritanomaly

19.9373, 28.4130, 40.0308

Monochromacy



Original Color

18.6022, 28.3964, 33.3548

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.5547, 19.1167, 22.6614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6022, 28.3964, 33.3548 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, 163, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 150)  
}
```

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, 163, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.6022, 28.3964, 33.3548 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, 163, 150) }
```


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

```
.border{ border-color:rgb(0, 163, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6022, 28.3964, 33.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 150) }
```

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

```
.background{ background-color: rgb(0, 163,  
150) }
```

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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