

Converting Colors

XYZ(15.4618, 28.3953, 28.8051)

Have a look what the booklet for
XYZ(15.4618, 28.3953, 28.8051)
contains.

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Color

**XYZ(18.7754, 30.2109,
28.8865)**

Conversions

Conversions Part 1

Format	Color
Hex	00A98A
RGB	0, 169, 138
RGB Percent	0%, 66%, 54%
CMY	0.9999, 0.3372, 0.4588
CMYK	1.00, 0.00, 0.18, 0.34
HSL	169°, 100%, 33%
HSV	169°, 100%, 66%
XYZ	18.7754, 30.2109, 28.8865
YIQ	114.9350, -90.7730, -45.4690

Conversions

Conversions Part 2

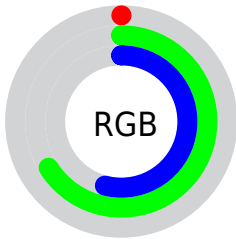
Format	Color
RYB	0, 93, 169
Decimal	43402
CIELab	61.84, -44.30, 5.69
CIElCh	62, 44.666, 172.683
Yxy	30.2109, 0.2411, 0.3880
Android (android.graphics.Color)	4278233482 (0xFF00A98A)
YUV	114.9350, 11.3710, -100.7980
Hunter-Lab	54.9644, -35.2136, 7.3153

Details

The XYZ color **18.7754, 30.2109, 28.8865** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.6105, 8.5347, 2.0696**, and the grayscale version is **16.2643, 17.1114, 18.6343**.

A 20% lighter version of the original color is **40.8434, 59.9392, 58.7070**, and **8.0068, 13.1954, 11.3575** is the 20% darker color. If you saturate the color by 10%, you get **18.7758, 30.2118, 28.8859**, and if you desaturate by 10%, it is **19.2335, 30.4215, 30.0973**.

Distribution



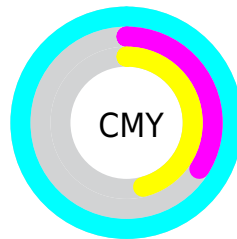
- Red (0%)
- Green (66%)
- Blue (54%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7754, 30.2109, 28.8865 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 18.7754, 30.2109, 28.8865 by changing the saturation by 10% instead.


 18.7754, 30.2109,
28.8865


 18.7754, 30.2109,
28.8865


238.1680,
302.8863, 310.7232


 11.6111, 19.9987,
18.7501


 40.8740, 59.9955,
58.9367


 6.5498, 12.3941,
11.3149


 56.5391, 80.3368,
79.6877


 3.2260, 7.0127,
6.1622


 75.7686, 104.8232,
104.8139

 1.2744, 3.4700,
2.8736

 98.9277, 133.8392,
134.7340

 0.1639, 1.3818,
1.0305

 126.3818,
167.7690, 169.8664

 0.0000, 0.2032,
0.0000

 158.4963,

 0.0000, 0.0000,

206.9973, 210.6297

0.0000

195.6366,
251.9082, 257.4425

■ 18.7754, 30.2109,
28.8865

■ 18.7754, 30.2109,
28.8865

■ 18.7758, 30.2118,
28.8859

■ 19.2335, 30.4215,
30.0973

■ 19.8917, 30.7337,
31.3505

■ 20.8299, 31.1896,
32.6509

■ 22.0835, 31.8073,
34.0002

■ 23.6828, 32.6024,
35.4003

■ 25.6545, 33.5888,
36.8525

■ 28.0226, 34.7787,
38.3584

■ 30.8091, 36.1835,
39.9192

■ 34.0342, 37.8137,
41.5360

Harmonies

Analogous

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



20.5253, 30.2109, 16.7306



18.7754, 30.2109, 28.8865



19.3797, 30.2109, 47.2561

Triad

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



18.7754, 30.2109, 28.8865



33.3682, 30.2109, 73.4574



36.2432, 30.2109, 13.0773

Complementary

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



18.7754, 30.2109, 28.8865



16.6105, 8.5347, 2.0696

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.



40.6489, 30.2109, 21.7844



18.7754, 30.2109, 28.8865



38.8352, 30.2109, 57.0933

Square

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



18.7754, 30.2109, 28.8865



27.2787, 30.2109, 77.4098



41.6578, 30.2109, 37.2572



30.2000, 30.2109, 9.8881

Rectangle

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



18.7754, 30.2109, 28.8865



21.0821, 30.2109, 60.5639



41.6578, 30.2109, 37.2572



37.9971, 30.2109, 15.2739

Sweetspot

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



18.7762, 30.2121, 28.8872



49.9339, 62.1580, 68.5452



14.8422, 28.7139, 4.7606



10.4953, 13.3526, 14.7009



80.6108, 84.8088, 92.3568



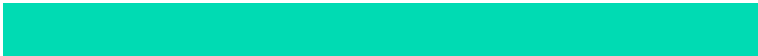
14.7206, 15.4872, 16.8656

Same Dimension

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



18.7762, 30.2121, 28.8872



33.5534, 54.0771, 51.3534



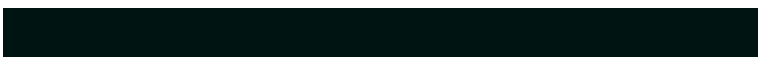
13.6766, 15.8942, 39.8845



7.6876, 8.5081, 9.3412



14.0111, 22.5232, 21.6232



0.3558, 0.5540, 0.6045

Inverse Universe

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



16.6105, 8.5347, 2.0696



29.6907, 15.2614, 3.4091



17.5342, 10.7781, 1.1567



7.5852, 7.5640, 8.1331



12.3940, 6.3663, 1.6206



0.3172, 0.1612, 0.1219

Previews

White Background



This preview shows how the XYZ color 18.7754, 30.2109, 28.8865 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 18.7754, 30.2109, 28.8865 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

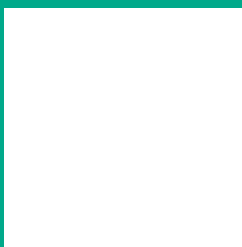
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7754, 30.2109, 28.8865

Background



This preview shows how black text looks on a background with the XYZ color 18.7754, 30.2109, 28.8865.

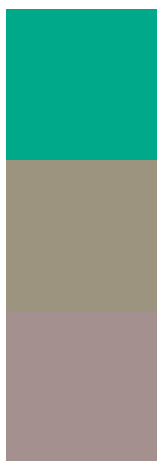


This preview shows how white text looks on a background with the XYZ color 18.7754, 30.2109,

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

18.7754, 30.2109, 28.8865

Protanopia

28.1310, 29.7800, 24.3441

Deuteranopia

30.5244, 29.9595, 30.5595



Tritanopia

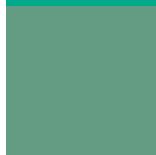
22.5267, 30.4034, 46.2761

Trichromacy



Original Color

18.7754, 30.2109, 28.8865



Protanomaly

21.1308, 28.0683, 25.7767



Deuteranomaly

22.0994, 27.7387, 29.7805



Tritanomaly

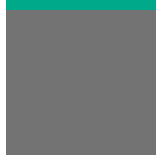
20.8427, 30.2239, 39.3856

Monochromacy



Original Color

18.7754, 30.2109, 28.8865



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

14.9868, 20.1745, 21.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7754, 30.2109, 28.8865 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, 169, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 138)  
}
```

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, 169, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 138) }
```

Border

The CSS property to change the border of an element to XYZ 18.7754, 30.2109, 28.8865 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, 169, 138) }
```


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

```
.border{ border-color:rgb(0, 169, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7754, 30.2109, 28.8865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 138) }
```

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

```
.background{ background-color: rgb(0, 169,  
138) }
```

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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