

Converting Colors

XYZ(17.4371, 28.7410, 30.2130)

Have a look what the booklet for
XYZ(17.4371, 28.7410, 30.2130)
contains.

XYZ(18.5187, 29.2254, 30.2562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.5187, 29.2254,
30.2562)**

Conversions

Conversions Part 1

Format	Color
Hex	00A68E
RGB	0, 166, 142
RGB Percent	0%, 65%, 56%
CMY	0.9999, 0.3490, 0.4431
CMYK	1.00, 0.00, 0.14, 0.35
HSL	171°, 100%, 33%
HSV	171°, 100%, 65%
XYZ	18.5187, 29.2254, 30.2562
YIQ	113.6300, -91.2320, -42.6560

Conversions

Conversions Part 2

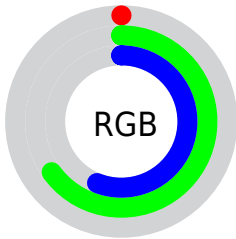
Format	Color
RYB	0, 89, 166
Decimal	42638
CIELab	60.98, -41.95, 2.21
CIELCh	61, 42.005, 176.980
Yxy	29.2254, 0.2374, 0.3747
Android (android.graphics.Color)	4278232718 (0xFF00A68E)
YUV	113.6300, 13.9864, -99.6535
Hunter-Lab	54.0605, -33.4599, 4.6594

Details

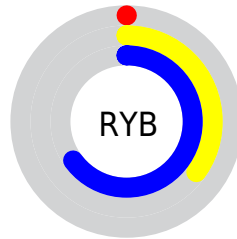
The XYZ color **18.5187, 29.2254, 30.2562** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.8918, 8.1738, 1.6055**, and the grayscale version is **15.8649, 16.6911, 18.1766**.

A 20% lighter version of the original color is **40.4987, 58.5034, 61.3823**, and **7.8369, 12.5830, 12.1409** is the 20% darker color. If you saturate the color by 10%, you get **18.5190, 29.2263, 30.2556**, and if you desaturate by 10%, it is **18.9260, 29.4150, 31.2270**.

Distribution



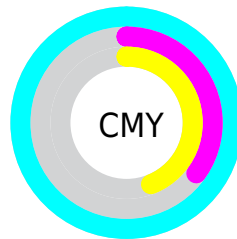
- Red (0%)
- Green (65%)
- Blue (56%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5187, 29.2254, 30.2562 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 18.5187, 29.2254, 30.2562 by changing the saturation by 10% instead.

■ 18.5187, 29.2254,
30.2562

■ 18.5187, 29.2254,
30.2562

■ 236.7681,
298.2770, 317.3412

■ 11.4250, 19.2514,
19.7794

■ 40.4424, 58.4350,
61.1329

■ 6.4228, 11.8521,
12.0523

■ 56.0031, 78.4394,
82.3699

■ 3.1469, 6.6430,
6.6564

■ 75.1168, 102.5561,
108.0307

■ 1.2319, 3.2399,
3.1730

■ 98.1489, 131.1694,
138.5339

■ 0.1314, 1.2582,
1.1836

■ 125.4647,
164.6637, 174.2981

■ 0.0000, 0.1085,
0.0000

■ 157.4296,

■ 0.0000, 0.0000,

203.4235, 215.7416

0.0000

194.4090,
247.8331, 263.2832

■ 18.5187, 29.2254,
30.2562

■ 18.5187, 29.2254,
30.2562

■ 18.5190, 29.2263,
30.2556

■ 18.9260, 29.4150,
31.2270

■ 19.5220, 29.7007,
32.2263

■ 20.3844, 30.1234,
33.2587

■ 21.5471, 30.7004,
34.3257

■ 23.0390, 31.4466,
35.4289

■ 24.8857, 32.3753,
36.5696

■ 27.1100, 33.4981,
37.7489

■ 29.7329, 34.8260,
38.9680

■ 32.7739, 36.3690,
40.2279

Harmonies

Analogous

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



19.8380, 29.2254, 18.0337



18.5187, 29.2254, 30.2562



19.3973, 29.2254, 47.5908

Triad

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



18.5187, 29.2254, 30.2562



32.8441, 29.2254, 67.0539



33.9323, 29.2254, 12.6164

Complementary

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



18.5187, 29.2254, 30.2562



15.8918, 8.1738, 1.6055

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.



38.2797, 29.2254, 19.9883



18.5187, 29.2254, 30.2562



37.5956, 29.2254, 51.2880

Square

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



18.5187, 29.2254, 30.2562



27.2258, 29.2254, 72.5324



39.7006, 29.2254, 33.4399



28.3374, 29.2254, 10.1813

Rectangle

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



18.5187, 29.2254, 30.2562



21.1842, 29.2254, 59.4160



39.7006, 29.2254, 33.4399



35.6148, 29.2254, 14.4492

Sweetspot

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



18.5195, 29.2265, 30.2569



48.9509, 60.6678, 68.3844



14.0357, 27.4790, 4.5649



10.5725, 13.3834, 15.1073



80.6108, 84.8088, 92.3568



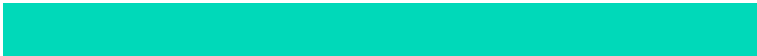
14.7206, 15.4872, 16.8656

Same Dimension

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



18.5195, 29.2265, 30.2569



33.5485, 53.0169, 54.5898



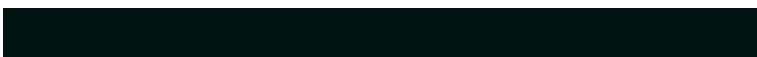
12.2365, 13.4594, 38.0306



7.7002, 8.5131, 9.4074



14.3733, 22.6681, 23.5306



0.3620, 0.5564, 0.6373

Inverse Universe

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



15.8918, 8.1738, 1.6055



28.7929, 14.8142, 2.6620



17.2454, 11.1451, 1.2429



7.5737, 7.5593, 8.0722



12.3336, 6.3422, 1.3025



0.3129, 0.1594, 0.0990

Previews

White Background



This preview shows how the XYZ color 18.5187, 29.2254, 30.2562 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 18.5187, 29.2254, 30.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

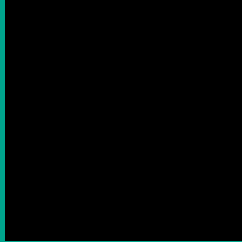
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5187, 29.2254, 30.2562

Background



This preview shows how black text looks on a background with the XYZ color 18.5187, 29.2254, 30.2562.

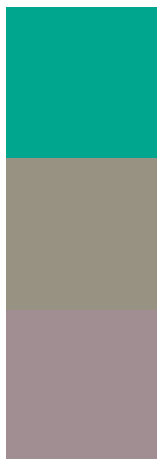


This preview shows how white text looks on a background with the XYZ color 18.5187, 29.2254,

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

18.5187, 29.2254, 30.2562

Protanopia

27.3245, 28.8719, 25.6054

Deuteranopia

29.4367, 28.9262, 31.6356



Tritanopia

21.6094, 29.1657, 45.0481

Trichromacy



Original Color

18.5187, 29.2254, 30.2562



Protanomaly

20.6942, 27.0731, 27.0566



Deuteranomaly

21.6569, 27.0023, 30.8586



Tritanomaly

20.2147, 29.0999, 39.2018

Monochromacy



Original Color

18.5187, 29.2254, 30.2562



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

14.7733, 19.6468, 22.0824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5187, 29.2254, 30.2562 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, 166, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 142)  
}
```

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, 166, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 142) }
```

Border

The CSS property to change the border of an element to XYZ 18.5187, 29.2254, 30.2562 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, 166, 142) }
```


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

```
.border{ border-color:rgb(0, 166, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5187, 29.2254, 30.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 142) }
```

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

```
.background{ background-color: rgb(0, 166,  
142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor