

Converting Colors

XYZ(8.3151, 16.2181, 26.4024)

Have a look what the booklet for
XYZ(8.3151, 16.2181, 26.4024)
contains.

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Color

**XYZ(12.9029, 18.5812,
26.5734)**

Conversions

Conversions Part 1

Format	Color
Hex	008589
RGB	0, 133, 137
RGB Percent	0%, 52%, 54%
CMY	0.9999, 0.4784, 0.4627
CMYK	1.00, 0.03, 0.00, 0.46
HSL	182°, 100%, 27%
HSV	182°, 100%, 54%
XYZ	12.9029, 18.5812, 26.5734
YIQ	93.6890, -80.5520, -26.9520

Conversions

Conversions Part 2

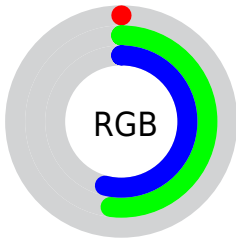
Format	Color
RYB	0, 67, 137
Decimal	34185
CIELab	50.19, -28.34, -10.86
CIELCh	50, 30.354, 200.961
Yxy	18.5812, 0.2222, 0.3200
Android (android.graphics.Color)	4278224265 (0xFF008589)
YUV	93.6890, 21.3523, -82.1653
Hunter-Lab	43.1059, -22.0049, -6.3762

Details

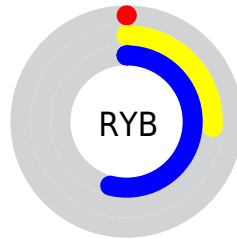
The XYZ color **12.9029, 18.5812, 26.5734** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.3604, 5.4057, 0.4979**, and the grayscale version is **10.5325, 11.0810, 12.0672**.

A 20% lighter version of the original color is **30.8109, 41.1896, 55.0417**, and **4.8136, 6.8746, 10.0901** is the 20% darker color. If you saturate the color by 10%, you get **12.9031, 18.5816, 26.5738**, and if you desaturate by 10%, it is **13.1349, 18.7826, 26.6004**.

Distribution



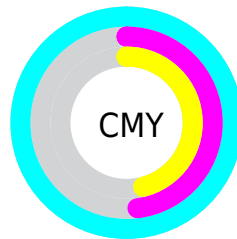
- Red (0%)
- Green (52%)
- Blue (54%)



- Red (0%)
- Yellow (26%)
- Blue (54%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (48%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9029, 18.5812, 26.5734 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 12.9029, 18.5812, 26.5734 by changing the saturation by 10% instead.

■ 12.9029, 18.5812,
26.5734

■ 12.9029, 18.5812,
26.5734

203.9446,
244.1269, 299.2802

■ 7.4383, 11.3681,
17.0235

■ 30.7320, 41.0252,
55.1939

■ 3.7864, 6.3150,
10.0891

■ 43.8272, 57.0249,
75.1017

■ 1.5820, 3.0375,
5.3517

■ 60.1966, 76.7222,
99.2990

■ 0.3807, 1.1514,
2.3927

■ 80.2057, 100.5015,
128.2047

■ 0.0000, 0.0214,
0.7825

■ 104.2196,
128.7472, 162.2370

■ 0.0000, 0.0000,
0.0000

■ 132.6038,

161.8438, 201.8147

165.7237,
200.1755, 247.3563

■ 12.9029, 18.5812,
26.5734

■ 12.9029, 18.5812,
26.5734

■ 12.9031, 18.5816,
26.5738

■ 13.1349, 18.7826,
26.6004

■ 13.4764, 19.0404,
26.6322

■ 13.9877, 19.3861,
26.6719

■ 14.6897, 19.8304,
26.7207

■ 15.6000, 20.3824,
26.7793

■ 16.7345, 21.0502,
26.8484

■ 18.1072, 21.8412,
26.9287

■ 19.7314, 22.7621,
27.0208

■ 21.6190, 23.8191,
27.1254

Harmonies

Analogous

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



12.6587, 18.5812, 17.8001



12.9029, 18.5812, 26.5734



14.3433, 18.5812, 35.5386

Triad

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



12.9029, 18.5812, 26.5734



22.4106, 18.5812, 32.1976



18.5613, 18.5812, 8.1103

Complementary

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



12.9029, 18.5812, 26.5734



10.3604, 5.4057, 0.4979

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.



21.4543, 18.5812, 10.1052



12.9029, 18.5812, 26.5734



23.8328, 18.5812, 22.8753

Square

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



12.9029, 18.5812, 26.5734



19.7550, 18.5812, 39.3601



23.4647, 18.5812, 14.9890



15.7203, 18.5812, 8.5913

Rectangle

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



12.9029, 18.5812, 26.5734



15.8852, 18.5812, 39.6494



23.4647, 18.5812, 14.9890



19.5641, 18.5812, 8.4871

Sweetspot

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



12.9035, 18.5819, 26.5739



32.2460, 39.0099, 48.2133



8.9587, 17.8968, 3.0484



7.0233, 8.6296, 10.8019



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.9035, 18.5819, 26.5739



23.0852, 33.2325, 47.5810



6.4772, 5.7294, 24.4318



5.1605, 5.6640, 6.4271



12.0206, 17.3116, 24.7536



0.0817, 0.1187, 0.1650

Inverse Universe

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



14.5507, 7.0124, 22.7776



26.0459, 12.5526, 40.7320



12.5569, 9.7988, 1.2301



5.2276, 5.1265, 6.2873



13.5543, 6.5318, 21.2209



0.0910, 0.0438, 0.1458

Previews

White Background



This preview shows how the XYZ color 12.9029, 18.5812, 26.5734 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 12.9029, 18.5812, 26.5734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

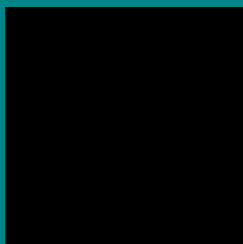
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9029, 18.5812, 26.5734

Background



This preview shows how black text looks on a background with the XYZ color 12.9029, 18.5812, 26.5734.



This preview shows how white text looks on a background with the XYZ color 12.9029, 18.5812,

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

12.9029, 18.5812, 26.5734

Protanopia

17.9825, 18.4373, 23.0331

Deuteranopia

18.7988, 18.4069, 27.7614



Tritanopia

13.4977, 18.6344, 28.8720

Trichromacy



Original Color

12.9029, 18.5812, 26.5734

Protanomaly

14.1602, 17.3411, 24.0736

Deuteranomaly

14.6736, 17.3490, 27.3863

Tritanomaly

13.2250, 18.5112, 28.0753

Monochromacy



Original Color

12.9029, 18.5812, 26.5734

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.0405, 12.8116, 16.6955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9029, 18.5812, 26.5734 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, 133, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 137)  
}
```

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, 133, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.9029, 18.5812, 26.5734 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, 133, 137) }
```


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

```
.border{ border-color:rgb(0, 133, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9029, 18.5812, 26.5734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 137) }
```

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

```
.background{ background-color: rgb(0, 133,  
137) }
```

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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