

Converting Colors

XYZ(3.2306, 13.5128, 26.3562)

Have a look what the booklet for
XYZ(3.2306, 13.5128, 26.3562)
contains.

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Color

**XYZ(12.9750, 18.6100,
26.9530)**

Conversions

Conversions Part 1

Format	Color
Hex	00858A
RGB	0, 133, 138
RGB Percent	0%, 52%, 54%
CMY	0.9999, 0.4784, 0.4588
CMYK	1.00, 0.04, 0.00, 0.46
HSL	182°, 100%, 27%
HSV	182°, 100%, 54%
XYZ	12.9750, 18.6100, 26.9530
YIQ	93.8030, -80.8730, -26.6410

Conversions

Conversions Part 2

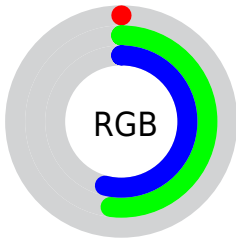
Format	Color
RYB	0, 68, 138
Decimal	34186
CIELab	50.23, -28.01, -11.39
CIELCh	50, 30.242, 202.129
Yxy	18.6100, 0.2217, 0.3179
Android (android.graphics.Color)	4278224266 (0xFF00858A)
YUV	93.8030, 21.7891, -82.2652
Hunter-Lab	43.1393, -21.8064, -6.8463

Details

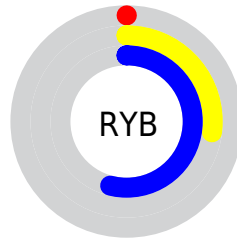
The XYZ color **12.9750, 18.6100, 26.9530** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.5360, 5.5125, 0.5094**, and the grayscale version is **10.5586, 11.1085, 12.0971**.

A 20% lighter version of the original color is **30.9206, 41.2335, 55.6194**, and **4.8547, 6.8911, 10.3068** is the 20% darker color. If you saturate the color by 10%, you get **12.9752, 18.6103, 26.9534**, and if you desaturate by 10%, it is **13.2223, 18.8397, 26.9847**.

Distribution



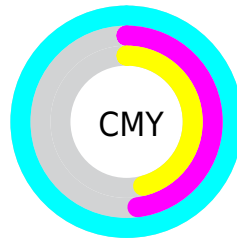
- Red (0%)
- Green (52%)
- Blue (54%)



- Red (0%)
- Yellow (27%)
- Blue (54%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (46%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9750, 18.6100, 26.9530 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 12.9750, 18.6100, 26.9530 by changing the saturation by 10% instead.

■ 12.9750, 18.6100,
26.9530

■ 12.9750, 18.6100,
26.9530

204.3982,
244.2872, 301.1825

■ 7.4882, 11.3888,
17.3058

■ 30.8606, 41.0740,
55.8113

■ 3.8183, 6.3290,
10.2885

■ 43.9900, 57.0857,
75.8594

■ 1.5999, 3.0461,
5.4826

■ 60.3978, 76.7963,
100.2116

■ 0.3923, 1.1559,
2.4694

■ 80.4492, 100.5902,
129.2864

■ 0.0000, 0.0252,
0.8239

■ 104.5096,
128.8519, 163.5024

■ 0.0000, 0.0000,
0.0000

■ 132.9443,

161.9657, 203.2780

166.1187,
200.3160, 249.0318

■ 12.9750, 18.6100,
26.9530

■ 12.9750, 18.6100,
26.9530

■ 12.9752, 18.6103,
26.9534

■ 13.2223, 18.8397,
26.9847

■ 13.5815, 19.1273,
27.0212

■ 14.1136, 19.5044,
27.0660

■ 14.8396, 19.9820,
27.1199

■ 15.7776, 20.5694,
27.1838

■ 16.9437, 21.2749,
27.2585

■ 18.3524, 22.1058,
27.3447

■ 20.0168, 23.0691,
27.4429

■ 21.9494, 24.1712,
27.5538

Harmonies

Analogous

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



12.6835, 18.6100, 18.1373



12.9750, 18.6100, 26.9530



14.4567, 18.6100, 35.8147

Triad

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



12.9750, 18.6100, 26.9530



22.5074, 18.6100, 31.8409



18.4693, 18.6100, 8.1330

Complementary

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



12.9750, 18.6100, 26.9530



10.5360, 5.5125, 0.5094

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.



21.3686, 18.6100, 10.0258



12.9750, 18.6100, 26.9530



23.8618, 18.6100, 22.5489

Square

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



12.9750, 18.6100, 26.9530



19.8915, 18.6100, 39.1355



23.4236, 18.6100, 14.7834



15.6540, 18.6100, 8.7088

Rectangle

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



12.9750, 18.6100, 26.9530



16.0185, 18.6100, 39.7734



23.4236, 18.6100, 14.7834



19.4701, 18.6100, 8.4779

Sweetspot

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



12.9756, 18.6107, 26.9535



32.1717, 38.8613, 48.1885



9.1142, 18.1875, 3.1629



7.0047, 8.5924, 10.7956



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.



12.9756, 18.6107, 26.9535



22.8449, 32.7519, 47.5009



6.4446, 5.5487, 24.7765



5.1576, 5.6581, 6.4261



11.8986, 17.0675, 24.7129



0.0813, 0.1179, 0.1649

Inverse Universe

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



14.7154, 7.0974, 22.7853



25.9246, 12.5040, 40.0932



12.9045, 10.2493, 1.2989



5.2262, 5.1259, 6.2794



13.4927, 6.5072, 20.8965



0.0908, 0.0437, 0.1448

Previews

White Background



This preview shows how the XYZ color 12.9750, 18.6100, 26.9530 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 12.9750, 18.6100, 26.9530 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

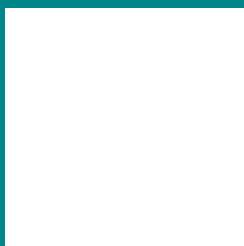
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9750, 18.6100, 26.9530

Background



This preview shows how black text looks on a background with the XYZ color 12.9750, 18.6100, 26.9530.



This preview shows how white text looks on a background with the XYZ color 12.9750, 18.6100,

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

12.9750, 18.6100, 26.9530

Protanopia

17.9121, 18.3934, 23.3751

Deuteranopia

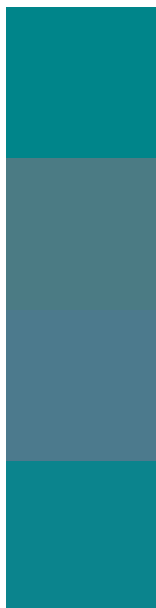
18.8736, 18.4368, 28.1551



Tritanopia

13.4586, 18.6143, 28.8702

Trichromacy



Original Color

12.9750, 18.6100, 26.9530

Protanomaly

14.1495, 17.3277, 24.4286

Deuteranomaly

14.7477, 17.3787, 27.7764

Tritanomaly

13.1970, 18.4968, 28.0740

Monochromacy



Original Color

12.9750, 18.6100, 26.9530

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 12.9750, 18.6100, 26.9530 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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, 133, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 138) }
```

Border

The CSS property to change the border of an element to XYZ 12.9750, 18.6100, 26.9530 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, 138) }
```


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

```
.border{ border-color:rgb(0, 133, 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, 133, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9750, 18.6100, 26.9530 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, 138) }
```

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

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