

Converting Colors

XYZ(14.8841, 24.5638, 31.3537)

Have a look what the booklet for
XYZ(14.8841, 24.5638, 31.3537)
contains.

XYZ(16.9097, 25.5180, 31.2284)	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(16.9097, 25.5180,
31.2284)**

Conversions

Conversions Part 1

Format	Color
Hex	009B92
RGB	0, 155, 146
RGB Percent	0%, 61%, 57%
CMY	0.9999, 0.3921, 0.4274
CMYK	1.00, 0.00, 0.06, 0.39
HSL	177°, 100%, 30%
HSV	177°, 100%, 61%
XYZ	16.9097, 25.5180, 31.2284
YIQ	107.6290, -89.4910, -35.6590

Conversions

Conversions Part 2

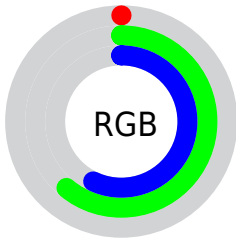
Format	Color
RYB	0, 80, 155
Decimal	39826
CIELab	57.58, -35.93, -5.04
CIELCh	58, 36.279, 187.983
Yxy	25.5180, 0.2296, 0.3464
Android (android.graphics.Color)	4278229906 (0xFF009B92)
YUV	107.6290, 18.9169, -94.3906
Hunter-Lab	50.5153, -28.6501, -1.2921

Details

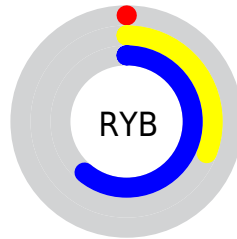
The XYZ color **16.9097, 25.5180, 31.2284** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.5677, 6.9892, 0.8932**, and the grayscale version is **14.1194, 14.8547, 16.1767**.

A 20% lighter version of the original color is **37.6884, 52.4370, 62.7785**, and **6.9616, 10.5450, 12.7348** is the 20% darker color. If you saturate the color by 10%, you get **16.9100, 25.5187, 31.2283**, and if you desaturate by 10%, it is **17.1861, 25.6530, 31.6090**.

Distribution



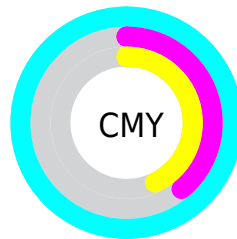
- Red (0%)
- Green (61%)
- Blue (57%)



- Red (0%)
- Yellow (31%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9097, 25.5180, 31.2284 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 16.9097, 25.5180, 31.2284 by changing the saturation by 10% instead.

■ 16.9097, 25.5180,
31.2284

■ 16.9097, 25.5180,
31.2284

■ 227.8179,
280.4079, 321.9729

■ 10.2650, 16.4634,
20.5129

■ 37.7153, 52.4963,
62.6833

■ 5.6386, 9.8527,
12.5807

■ 52.6069, 71.1889,
84.2597

■ 2.6652, 5.3014,
7.0131

■ 70.9783, 93.8628,
110.2936

■ 0.9793, 2.4252,
3.3917

■ 93.1946, 120.9026,
141.2034

■ 0.0000, 0.8388,
1.2980

■ 119.6214,
152.6926, 177.4077

■ 0.0000, 0.0000,
0.0601

■ 150.6240,

■ 0.0000, 0.0000,

189.6172, 219.3250

0.0000

186.5677,
232.0608, 267.3739

■ 16.9097, 25.5180,
31.2284

■ 16.9097, 25.5180,
31.2284

■ 16.9100, 25.5187,
31.2283

■ 17.1861, 25.6530,
31.6090

■ 17.6172, 25.8670,
31.9991

■ 18.2734, 26.1970,
32.4026

■ 19.1831, 26.6577,
32.8209

■ 20.3707, 27.2615,
33.2551

■ 21.8575, 28.0195,
33.7062

■ 23.6629, 28.9418,
34.1752

■ 25.8046, 30.0373,
34.6628

■ 28.2991, 31.3146,
35.1699

Harmonies

Analogous

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



17.3270, 25.5180, 19.7720



16.9097, 25.5180, 31.2284



18.2672, 25.5180, 45.1888

Triad

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



16.9097, 25.5180, 31.2284



29.7457, 25.5180, 51.1275



27.5103, 25.5180, 11.0266

Complementary

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



16.9097, 25.5180, 31.2284



13.5677, 6.9892, 0.8932

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.



31.4241, 25.5180, 15.5448



16.9097, 25.5180, 31.2284



32.8179, 25.5180, 37.7138

Square

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



16.9097, 25.5180, 31.2284



25.4285, 25.5180, 58.7090



33.4661, 25.5180, 24.6041



23.1165, 25.5180, 10.2323

Rectangle

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



16.9097, 25.5180, 31.2284



20.1033, 25.5180, 53.2940



33.4661, 25.5180, 24.6041



28.9401, 25.5180, 12.0777

Sweetspot

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



16.9105, 25.5190, 31.2290



42.1649, 51.7219, 61.1508



11.8515, 23.5103, 3.9141



9.2438, 11.5537, 13.7658



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.9105, 25.5190, 31.2290



30.2586, 45.6902, 55.7962



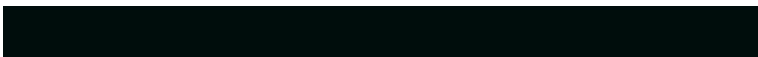
9.3940, 9.3211, 32.3153



6.3691, 7.0204, 7.8670



13.5867, 20.4981, 25.1077



0.2072, 0.3081, 0.3967

Inverse Universe

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



13.5677, 6.9892, 0.8932



24.2731, 12.5058, 1.4728



15.5362, 11.0049, 1.3061



6.2226, 6.2282, 6.5524



10.9020, 5.6150, 0.7431



0.1664, 0.0853, 0.0290

Previews

White Background



This preview shows how the XYZ color 16.9097, 25.5180, 31.2284 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 16.9097, 25.5180, 31.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

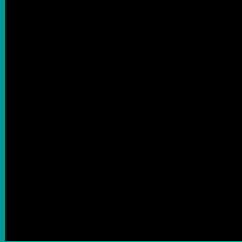
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9097, 25.5180, 31.2284

Background



This preview shows how black text looks on a background with the XYZ color 16.9097, 25.5180, 31.2284.

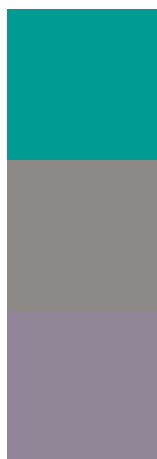


This preview shows how white text looks on a background with the XYZ color 16.9097, 25.5180,

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

16.9097, 25.5180, 31.2284

Protanopia

24.1341, 25.2160, 26.5169

Deuteranopia

25.7881, 25.3043, 32.8032



Tritanopia

18.7129, 25.5304, 39.5389

Trichromacy



Original Color

16.9097, 25.5180, 31.2284

Protanomaly

18.7533, 23.9344, 28.0575

Deuteranomaly

19.5114, 23.7912, 31.9976

Tritanomaly

17.8937, 25.4217, 36.3115

Monochromacy



Original Color

16.9097, 25.5180, 31.2284

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.3007, 17.3376, 21.0578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9097, 25.5180, 31.2284 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, 155, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 146)  
}
```

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, 155, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 146) }
```

Border

The CSS property to change the border of an element to XYZ 16.9097, 25.5180, 31.2284 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, 155, 146) }
```


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

```
.border{ border-color:rgb(0, 155, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9097, 25.5180, 31.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 146) }
```

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

```
.background{ background-color: rgb(0, 155,  
146) }
```

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