

Converting Colors

XYZ(17.9112, 26.7548, 33.9250)

Have a look what the booklet for
XYZ(17.9112, 26.7548, 33.9250)
contains.

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Color

**XYZ(17.8944, 26.7207,
33.9202)**

Conversions

Conversions Part 1

Format	Color
Hex	009E98
RGB	0, 158, 152
RGB Percent	0%, 62%, 60%
CMY	0.9999, 0.3804, 0.4039
CMYK	1.00, 0.00, 0.04, 0.38
HSL	178°, 100%, 31%
HSV	178°, 100%, 62%
XYZ	17.8944, 26.7207, 33.9202
YIQ	110.0740, -92.2420, -35.3620

Conversions

Conversions Part 2

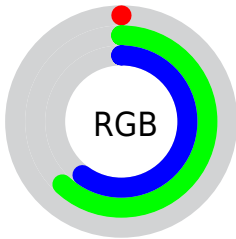
Format	Color
RYB	0, 81, 158
Decimal	40600
CIELab	58.71, -35.48, -6.76
CIELCh	59, 36.116, 190.790
Yxy	26.7207, 0.2279, 0.3402
Android (android.graphics.Color)	4278230680 (0xFF009E98)
YUV	110.0740, 20.6695, -96.5349
Hunter-Lab	51.6921, -28.6692, -2.7215

Details

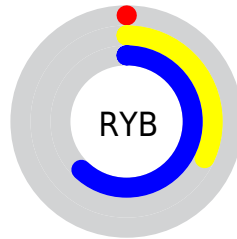
The XYZ color **17.8944, 26.7207, 33.9202** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1344, 7.2832, 0.8340**, and the grayscale version is **14.8066, 15.5777, 16.9641**.

A 20% lighter version of the original color is **39.3485, 54.3200, 66.8035**, and **7.5030, 11.2477, 14.0875** is the 20% darker color. If you saturate the color by 10%, you get **17.8947, 26.7215, 33.9203**, and if you desaturate by 10%, it is **18.1549, 26.8499, 34.1903**.

Distribution



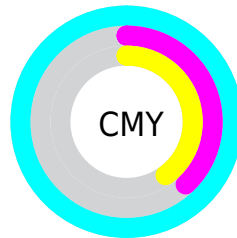
- Red (0%)
- Green (62%)
- Blue (60%)



- Red (0%)
- Yellow (32%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8944, 26.7207, 33.9202 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 17.8944, 26.7207, 33.9202 by changing the saturation by 10% instead.

■ 17.8944, 26.7207,
33.9202

■ 17.8944, 26.7207,
33.9202

■ 233.3323,
286.3022, 334.5344

■ 10.9734, 17.3636,
22.5554

■ 39.3888, 54.4354,
66.9420

■ 6.1161, 10.4940,
14.0634

■ 54.6929, 73.5617,
89.4362

■ 2.9572, 5.7277,
8.0255

■ 73.5222, 96.7132,
116.4772

■ 1.1311, 2.6802,
4.0233

■ 96.2419, 124.2742,
148.4836

■ 0.0509, 0.9672,
1.6381

■ 123.2174,
156.6293, 185.8740

■ 0.0000, 0.0000,
0.3178

■ 154.8140,

■ 0.0000, 0.0000,

194.1627, 229.0669

0.0000

191.3972,
237.2589, 278.4809

■ 17.8944, 26.7207,
33.9202

■ 17.8944, 26.7207,
33.9202

■ 17.8947, 26.7215,
33.9203

■ 18.1549, 26.8499,
34.1903

■ 18.5779, 27.0622,
34.4687

■ 19.2357, 27.3956,
34.7594

■ 20.1582, 27.8654,
35.0638

■ 21.3709, 28.4847,
35.3831

■ 22.8962, 29.2652,
35.7183

■ 24.7545, 30.2173,
36.0704

■ 26.9643, 31.3506,
36.4402

■ 29.5428, 32.6739,
36.8287

Harmonies

Analogous

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



18.1527, 26.7207, 21.7625



17.8944, 26.7207, 33.9202



19.4618, 26.7207, 48.1879

Triad

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



17.8944, 26.7207, 33.9202



31.3983, 26.7207, 51.8326



28.3137, 26.7207, 11.5639

Complementary

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



17.8944, 26.7207, 33.9202



14.1344, 7.2832, 0.8340

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.



32.4312, 26.7207, 15.8570



17.8944, 26.7207, 33.9202



34.3507, 26.7207, 37.9117

Square

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



17.8944, 26.7207, 33.9202



27.0307, 26.7207, 60.3609



34.7494, 26.7207, 24.7493



23.8309, 26.7207, 11.0685

Rectangle

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



17.8944, 26.7207, 33.9202



21.4514, 26.7207, 56.1068



34.7494, 26.7207, 24.7493



29.7995, 26.7207, 12.5356

Sweetspot

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



17.8952, 26.7217, 33.9208



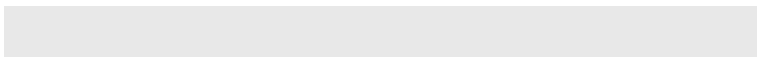
44.7306, 54.7591, 65.4621



12.3267, 24.5057, 4.0813



9.7688, 12.1836, 14.7004



76.7382, 80.7346, 87.9200



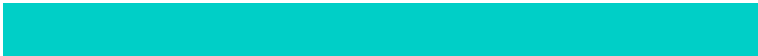
13.3056, 13.9985, 15.2444

Same Dimension

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



17.8952, 26.7217, 33.9208



32.4783, 48.5177, 61.5055



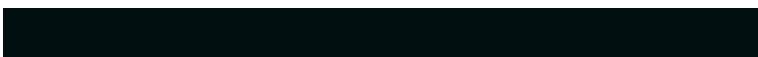
9.5734, 9.2715, 33.6338



6.8110, 7.5051, 8.4391



14.3348, 21.4019, 27.1837



0.2593, 0.3839, 0.5019

Inverse Universe

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



14.1344, 7.2832, 0.8340



25.6496, 13.2179, 1.4247



16.3619, 11.7909, 1.4144



6.6428, 6.6500, 6.9699



11.3228, 5.8337, 0.6850



0.2051, 0.1054, 0.0262

Previews

White Background



This preview shows how the XYZ color 17.8944, 26.7207, 33.9202 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 17.8944, 26.7207, 33.9202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

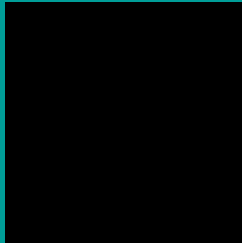
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8944, 26.7207, 33.9202

Background



This preview shows how black text looks on a background with the XYZ color 17.8944, 26.7207, 33.9202.

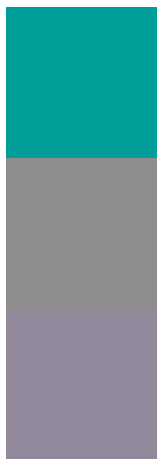


This preview shows how white text looks on a background with the XYZ color 17.8944, 26.7207,

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

17.8944, 26.7207, 33.9202

Protanopia

25.5135, 26.5189, 28.9733

Deuteranopia

27.0641, 26.5287, 35.5924



Tritanopia

19.6160, 26.9442, 41.2127

Trichromacy



Original Color

17.8944, 26.7207, 33.9202

Protanomaly

19.8589, 25.1359, 30.5931

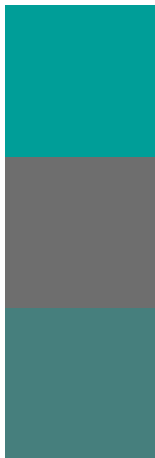
Deuteranomaly

20.6579, 24.9970, 34.7465

Tritanomaly

18.9094, 26.8931, 38.3767

Monochromacy



Original Color

17.8944, 26.7207, 33.9202

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.8168, 17.9615, 22.1407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8944, 26.7207, 33.9202 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, 158, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 152)  
}
```

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, 158, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 152) }
```

Border

The CSS property to change the border of an element to XYZ 17.8944, 26.7207, 33.9202 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, 158, 152) }
```


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

```
.border{ border-color:rgb(0, 158, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8944, 26.7207, 33.9202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 152) }
```

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

```
.background{ background-color: rgb(0, 158,  
152) }
```

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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