

Converting Colors

XYZ(10.5085, 22.5649, 34.8610)

Have a look what the booklet for
XYZ(10.5085, 22.5649, 34.8610)
contains.

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Color

**XYZ(17.9734, 26.4805,
35.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	009D9B
RGB	0, 157, 155
RGB Percent	0%, 62%, 61%
CMY	0.9999, 0.3843, 0.3922
CMYK	1.00, 0.00, 0.01, 0.38
HSL	179°, 100%, 31%
HSV	179°, 100%, 62%
XYZ	17.9734, 26.4805, 35.1743
YIQ	109.8290, -92.9300, -33.9060

Conversions

Conversions Part 2

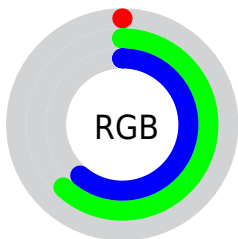
Format	Color
RYB	0, 79, 157
Decimal	40347
CIELab	58.49, -34.09, -8.80
CIELCh	58, 35.206, 194.474
Yxy	26.4805, 0.2257, 0.3326
Android (android.graphics.Color)	4278230427 (0xFF009D9B)
YUV	109.8290, 22.2693, -96.3200
Hunter-Lab	51.4592, -27.7081, -4.5055

Details

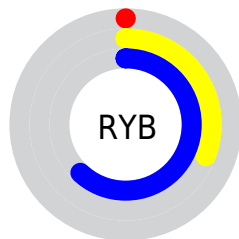
The XYZ color **17.9734, 26.4805, 35.1743** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.9165, 7.1734, 0.7094**, and the grayscale version is **14.7321, 15.4993, 16.8787**.

A 20% lighter version of the original color is **39.4657, 53.9657, 68.6580**, and **7.5503, 11.1026, 14.8418** is the 20% darker color. If you saturate the color by 10%, you get **17.9738, 26.4813, 35.1748**, and if you desaturate by 10%, it is **18.1998, 26.5958, 35.2733**.

Distribution



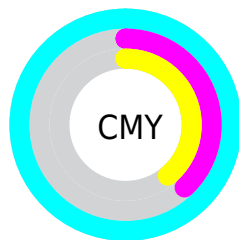
- Red (0%)
- Green (62%)
- Blue (61%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9734, 26.4805, 35.1743 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 17.9734, 26.4805, 35.1743 by changing the saturation by 10% instead.

■ 17.9734, 26.4805,
35.1743

■ 17.9734, 26.4805,
35.1743

■ 233.7696,
285.1329, 340.2646

■ 11.0305, 17.1834,
23.5125

■ 39.5224, 54.0491,
68.9103

■ 6.1548, 10.3654,
14.7636

■ 54.8592, 73.0894,
91.8217

■ 2.9810, 5.6419,
8.5089

■ 73.7247, 96.1463,
119.3200

■ 1.1437, 2.6286,
4.3298

■ 96.4842, 123.6042,
151.8238

■ 0.0612, 0.9410,
1.8080

■ 123.5031,
155.8474, 189.7516

■ 0.0000, 0.0000,
0.4332

■ 155.1467,

■ 0.0000, 0.0000,

193.2603, 233.5220

0.0000

191.7804,
236.2273, 283.5535

■ 17.9734, 26.4805,
35.1743

■ 17.9734, 26.4805,
35.1743

■ 17.9738, 26.4813,
35.1748

■ 18.1998, 26.5958,
35.2733

■ 18.5856, 26.7928,
35.3794

■ 19.2027, 27.1089,
35.4964

■ 20.0803, 27.5594,
35.6257

■ 21.2437, 28.1572,
35.7685

■ 22.7149, 28.9137,
35.9260

■ 24.5140, 29.8392,
36.0989

■ 26.6590, 30.9430,
36.2881

■ 29.1671, 32.2340,
36.4945

Harmonies

Analogous

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



18.0049, 26.4805, 22.9400



17.9734, 26.4805, 35.1743



19.7112, 26.4805, 48.8388

Triad

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



17.9734, 26.4805, 35.1743



31.4262, 26.4805, 49.2778



27.4508, 26.4805, 11.4897

Complementary

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



17.9734, 26.4805, 35.1743



13.9165, 7.1734, 0.7094

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.



31.5511, 26.4805, 15.2071



17.9734, 26.4805, 35.1743



34.0185, 26.4805, 35.6570

Square

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



17.9734, 26.4805, 35.1743



27.2954, 26.4805, 58.4244



34.0667, 26.4805, 23.3033



23.1558, 26.4805, 11.4287

Rectangle

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



17.9734, 26.4805, 35.1743



21.7671, 26.4805, 55.9587



34.0667, 26.4805, 23.3033



28.9079, 26.4805, 12.2925

Sweetspot

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



17.9742, 26.4815, 35.1749



43.6917, 53.3298, 64.6282



12.0906, 24.1318, 4.0215



9.3250, 11.5862, 14.1939



74.8435, 78.7412, 85.7492



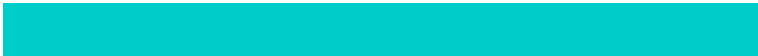
12.6291, 13.2868, 14.4694

Same Dimension

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



17.9742, 26.4815, 35.1749



32.1825, 47.4216, 62.9621



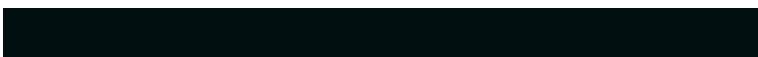
9.0386, 8.3390, 33.0325



6.8182, 7.5080, 8.4773



14.5987, 21.5074, 28.5732



0.2621, 0.3850, 0.5164

Inverse Universe

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



13.9165, 7.1734, 0.7094



24.9161, 12.8431, 1.2404



16.4827, 12.3234, 1.5107



6.6363, 6.6474, 6.9360



11.3031, 5.8258, 0.5810



0.2030, 0.1045, 0.0151

Previews

White Background



This preview shows how the XYZ color 17.9734, 26.4805, 35.1743 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 17.9734, 26.4805, 35.1743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

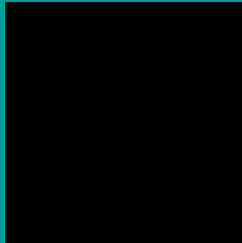
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9734, 26.4805, 35.1743

Background



This preview shows how black text looks on a background with the XYZ color 17.9734, 26.4805, 35.1743.

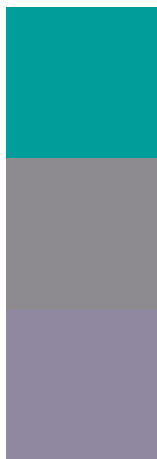


This preview shows how white text looks on a background with the XYZ color 17.9734, 26.4805,

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

17.9734, 26.4805, 35.1743

Protanopia

25.2512, 26.1416, 30.1005

Deuteranopia

26.6509, 26.0757, 36.8862



Tritanopia

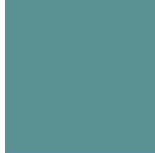
19.3246, 26.5459, 41.1511

Trichromacy



Original Color

17.9734, 26.4805, 35.1743



Protanomaly

19.8406, 24.8695, 31.7716



Deuteranomaly

20.5584, 24.6905, 36.0299



Tritanomaly

18.7679, 26.5597, 38.7877

Monochromacy



Original Color

17.9734, 26.4805, 35.1743



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.8811, 17.9872, 22.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9734, 26.4805, 35.1743 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, 157, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 155)  
}
```

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, 157, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 155) }
```

Border

The CSS property to change the border of an element to XYZ 17.9734, 26.4805, 35.1743 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, 157, 155) }
```


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

```
.border{ border-color:rgb(0, 157, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9734, 26.4805, 35.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 155) }
```

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

```
.background{ background-color: rgb(0, 157,  
155) }
```

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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