

Converting Colors

XYZ(17.2761, 24.9073, 36.9989)

Have a look what the booklet for
XYZ(17.2761, 24.9073, 36.9989)
contains.

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Color

**XYZ(17.5734, 24.9945,
37.1559)**

Conversions

Conversions Part 1

Format	Color
Hex	0098A0
RGB	0, 152, 160
RGB Percent	0%, 60%, 63%
CMY	0.9999, 0.4039, 0.3725
CMYK	1.00, 0.05, 0.00, 0.37
HSL	183°, 100%, 31%
HSV	183°, 100%, 63%
XYZ	17.5734, 24.9945, 37.1559
YIQ	107.4640, -93.1600, -29.7360

Conversions

Conversions Part 2

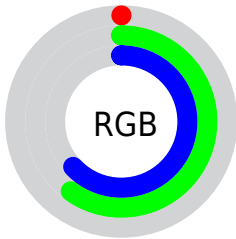
Format	Color
RYB	0, 78, 160
Decimal	39072
CIELab	57.07, -30.11, -13.78
CIELCh	57, 33.114, 204.587
Yxy	24.9945, 0.2204, 0.3135
Android (android.graphics.Color)	4278229152 (0xFF0098A0)
YUV	107.4640, 25.9002, -94.2459
Hunter-Lab	49.9945, -24.7464, -9.0682

Details

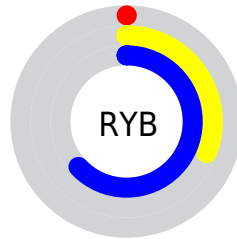
The XYZ color **17.5734, 24.9945, 37.1559** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.5847, 7.6480, 0.7084**, and the grayscale version is **14.0555, 14.7874, 16.1035**.

A 20% lighter version of the original color is **38.9922, 51.8073, 72.2347**, and **7.3175, 10.2185, 16.0547** is the 20% darker color. If you saturate the color by 10%, you get **17.5736, 24.9948, 37.1564**, and if you desaturate by 10%, it is **17.9183, 25.3662, 37.2099**.

Distribution



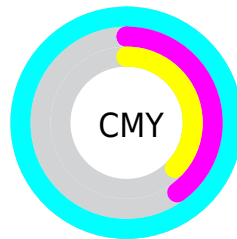
- Red (0%)
- Green (60%)
- Blue (63%)



- Red (0%)
- Yellow (31%)
- Blue (63%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (37%)



- Cyan (100%)
- Magenta (40%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5734, 24.9945, 37.1559 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 17.5734, 24.9945, 37.1559 by changing the saturation by 10% instead.

■ 17.5734, 24.9945,
37.1559

■ 17.5734, 24.9945,
37.1559

■ 231.5478,
277.8106, 349.1740

■ 10.7420, 16.0730,
25.0315

■ 38.8449, 51.6483,
72.0015

■ 5.9596, 9.5758,
15.8813

■ 54.0156, 70.1493,
95.5598

■ 2.8610, 5.1186,
9.2867

■ 72.6968, 92.6124,
123.7664

■ 1.0807, 2.3170,
4.8293

■ 95.2539, 119.4217,
157.0399

■ 0.0089, 0.7827,
2.0905

■ 122.0522,
150.9618, 195.7989

■ 0.0000, 0.0000,
0.6101

■ 153.4570,

■ 0.0000, 0.0000,

187.6171, 240.4619

0.0000

189.8338,
229.7718, 291.4474

■ 17.5734, 24.9945,
37.1559

■ 17.5734, 24.9945,
37.1559

■ 17.5736, 24.9948,
37.1564

■ 17.9183, 25.3662,
37.2099

■ 18.4319, 25.8257,
37.2716

■ 19.1877, 26.4114,
37.3448

■ 20.2165, 27.1391,
37.4310

■ 21.5449, 28.0225,
37.5315

■ 23.1958, 29.0736,
37.6474

■ 25.1903, 30.3031,
37.7796

■ 27.5474, 31.7208,
37.9290

■ 30.2851, 33.3360,
38.0965

Harmonies

Analogous

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



17.0503, 24.9945, 25.2402



17.5734, 24.9945, 37.1559



19.6736, 24.9945, 48.7189

Triad

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



17.5734, 24.9945, 37.1559



30.4017, 24.9945, 41.6403



24.4704, 24.9945, 10.9533

Complementary

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



17.5734, 24.9945, 37.1559



14.5847, 7.6480, 0.7084

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.



28.3685, 24.9945, 13.2040



17.5734, 24.9945, 37.1559



32.0244, 24.9945, 29.2897

Square

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



17.5734, 24.9945, 37.1559



27.0127, 24.9945, 51.7648



31.2425, 24.9945, 19.2267



20.7732, 24.9945, 11.9931

Rectangle

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



17.5734, 24.9945, 37.1559



21.8202, 24.9945, 53.5881



31.2425, 24.9945, 19.2267



25.8042, 24.9945, 11.3260

Sweetspot

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



17.5742, 24.9954, 37.1565



45.5034, 54.8783, 68.5808



12.6153, 25.1597, 4.4219



9.6527, 11.8355, 15.0194



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.



17.5742, 24.9954, 37.1565



31.8627, 45.2918, 67.4494



8.6640, 7.1751, 34.1865



6.7934, 7.4526, 8.4871



13.6991, 19.4897, 28.9471



0.2527, 0.3640, 0.5202

Inverse Universe

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



20.1654, 9.7414, 30.5241



36.5904, 17.6769, 55.3001



17.9884, 14.4554, 1.8429



6.8898, 6.7489, 8.2709



15.7129, 7.5897, 23.8027



0.2849, 0.1373, 0.4462

Previews

White Background



This preview shows how the XYZ color 17.5734, 24.9945, 37.1559 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 17.5734, 24.9945, 37.1559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

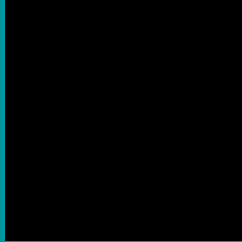
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5734, 24.9945, 37.1559

Background



This preview shows how black text looks on a background with the XYZ color 17.5734, 24.9945, 37.1559.

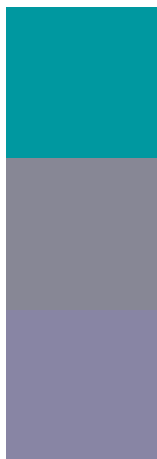


This preview shows how white text looks on a background with the XYZ color 17.5734, 24.9945,

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

17.5734, 24.9945, 37.1559

Protanopia

24.0805, 24.6488, 31.9223

Deuteranopia

25.2417, 24.6896, 38.5572



Tritanopia

17.9986, 24.9327, 38.9858

Trichromacy



Original Color

17.5734, 24.9945, 37.1559

Protanomaly

19.1124, 23.3281, 33.6324

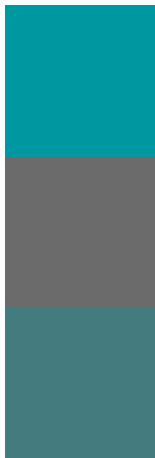
Deuteranomaly

19.9194, 23.4267, 38.1223

Tritanomaly

17.8155, 24.8487, 38.5076

Monochromacy



Original Color

17.5734, 24.9945, 37.1559

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2328, 16.9012, 22.3035

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5734, 24.9945, 37.1559 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, 152, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 160)  
}
```

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, 152, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 160) }
```

Border

The CSS property to change the border of an element to XYZ 17.5734, 24.9945, 37.1559 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, 152, 160) }
```


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

```
.border{ border-color:rgb(0, 152, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5734, 24.9945, 37.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 160) }
```

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

```
.background{ background-color: rgb(0, 152,  
160) }
```

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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