

Converting Colors

XYZ(9.4344, 21.0180, 32.3078)

Have a look what the booklet for
XYZ(9.4344, 21.0180, 32.3078)
contains.

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Color

**XYZ(16.7333, 24.6585,
32.7318)**

Conversions

Conversions Part 1

Format	Color
Hex	009896
RGB	0, 152, 150
RGB Percent	0%, 60%, 59%
CMY	0.9999, 0.4039, 0.4118
CMYK	1.00, 0.00, 0.01, 0.40
HSL	179°, 100%, 30%
HSV	179°, 100%, 60%
XYZ	16.7333, 24.6585, 32.7318
YIQ	106.3240, -89.9500, -32.8460

Conversions

Conversions Part 2

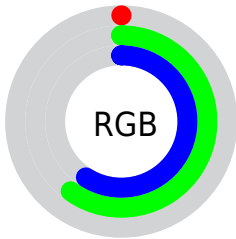
Format	Color
RYB	0, 77, 152
Decimal	39062
CIELab	56.74, -33.31, -8.56
CIELCh	57, 34.390, 194.417
Yxy	24.6585, 0.2257, 0.3327
Android (android.graphics.Color)	4278229142 (0xFF009896)
YUV	106.3240, 21.5323, -93.2461
Hunter-Lab	49.6573, -26.7502, -4.3211

Details

The XYZ color **16.7333, 24.6585, 32.7318** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.9607, 6.6806, 0.6646**, and the grayscale version is **13.7514, 14.4675, 15.7551**.

A 20% lighter version of the original color is **37.4284, 51.1589, 65.0287**, and **6.8093, 10.0152, 13.3786** is the 20% darker color. If you saturate the color by 10%, you get **16.7337, 24.6592, 32.7322**, and if you desaturate by 10%, it is **16.9506, 24.7692, 32.8267**.

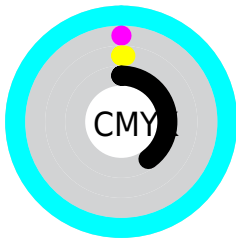
Distribution



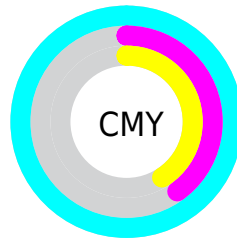
- Red (0%)
- Green (60%)
- Blue (59%)



- Red (0%)
- Yellow (30%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7333, 24.6585, 32.7318 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 16.7333, 24.6585, 32.7318 by changing the saturation by 10% instead.

■ 16.7333, 24.6585,
32.7318

■ 16.7333, 24.6585,
32.7318

■ 226.8171,
276.1330, 329.0343

■ 10.1386, 15.8228,
21.6516

■ 37.4139, 51.1027,
65.0678

■ 5.5540, 9.3989,
13.4053

■ 52.2306, 69.4799,
87.1606

■ 2.6139, 5.0022,
7.5742

■ 70.5186, 91.8065,
113.7615

■ 0.9530, 2.2486,
3.7399

■ 92.6434, 118.4668,
145.2888

■ 0.0000, 0.7463,
1.4838

■ 118.9703,
149.8452, 182.1613

■ 0.0000, 0.0000,
0.2058

■ 149.8646,

■ 0.0000, 0.0000,

186.3261, 224.7973

0.0000

185.6918,
228.2939, 273.6155

■ 16.7333, 24.6585,
32.7318

■ 16.7333, 24.6585,
32.7318

■ 16.7337, 24.6592,
32.7322

■ 16.9506, 24.7692,
32.8267

■ 17.3140, 24.9547,
32.9281

■ 17.8922, 25.2509,
33.0397

■ 18.7123, 25.6718,
33.1627

■ 19.7974, 26.2293,
33.2983

■ 21.1678, 26.9339,
33.4473

■ 22.8421, 27.7951,
33.6108

■ 24.8371, 28.8217,
33.7894

■ 27.1684, 30.0216,
33.9838

Harmonies

Analogous

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



16.7658, 24.6585, 21.3418



16.7333, 24.6585, 32.7318



18.3489, 24.6585, 45.4631

Triad

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



16.7333, 24.6585, 32.7318



29.2595, 24.6585, 45.9165



25.5706, 24.6585, 10.6986

Complementary

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



16.7333, 24.6585, 32.7318



12.9607, 6.6806, 0.6646

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.



29.3885, 24.6585, 14.1678



16.7333, 24.6585, 32.7318



31.6782, 24.6585, 33.2302

Square

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



16.7333, 24.6585, 32.7318



25.4101, 24.6585, 54.4242



31.7279, 24.6585, 21.7169



21.5691, 24.6585, 10.6357

Rectangle

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



16.7333, 24.6585, 32.7318



20.2621, 24.6585, 52.1035



31.7279, 24.6585, 21.7169



26.9277, 24.6585, 11.4485

Sweetspot

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



16.7340, 24.6594, 32.7324



40.1240, 48.9602, 59.3064



11.2608, 22.4738, 3.7451



8.8472, 10.9879, 13.4536



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7340, 24.6594, 32.7324



29.5301, 43.5224, 57.7447



8.4315, 7.7941, 30.7668



6.3811, 7.0252, 7.9302



14.0314, 20.6760, 27.4494



0.2107, 0.3095, 0.4154

Inverse Universe

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



12.9607, 6.6806, 0.6646



22.8703, 11.7884, 1.1442



15.3638, 11.5043, 1.4116



6.2119, 6.2239, 6.4961



10.8675, 5.6012, 0.5614



0.1632, 0.0840, 0.0124

Previews

White Background



This preview shows how the XYZ color 16.7333, 24.6585, 32.7318 looks on a white background.

Color Contrast Check

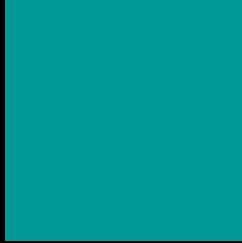
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7333, 24.6585, 32.7318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

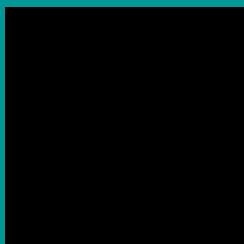
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

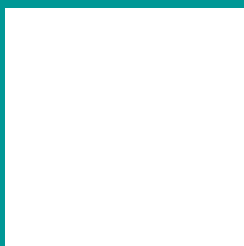
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7333, 24.6585, 32.7318

Background



This preview shows how black text looks on a background with the XYZ color 16.7333, 24.6585, 32.7318.

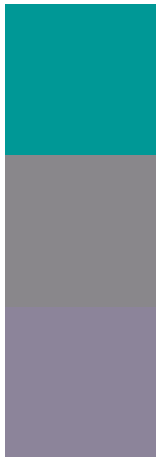


This preview shows how white text looks on a background with the XYZ color 16.7333, 24.6585,

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

16.7333, 24.6585, 32.7318

Protanopia

23.6407, 24.5104, 27.9111

Deuteranopia

24.8992, 24.4111, 33.9713



Tritanopia

17.9346, 24.6825, 38.0014

Trichromacy



Original Color

16.7333, 24.6585, 32.7318



Protanomaly

18.4133, 23.0592, 29.4670



Deuteranomaly

19.1022, 22.8890, 33.5482



Tritanomaly

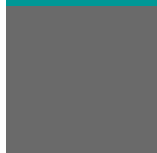
17.4876, 24.7304, 36.1995

Monochromacy



Original Color

16.7333, 24.6585, 32.7318



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.9105, 16.7644, 20.9677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7333, 24.6585, 32.7318 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.7333, 24.6585, 32.7318 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, 150) }
```


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

```
.border{ border-color:rgb(0, 152, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7333, 24.6585, 32.7318 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, 150) }
```

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

```
.background{ background-color: rgb(0, 152,  
150) }
```

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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