

Converting Colors

XYZ(15.8604, 24.5701, 27.3314)

Have a look what the booklet for
XYZ(15.8604, 24.5701, 27.3314)
contains.

XYZ(15.8352, 24.5600, 27.1985)	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(15.8352, 24.5600,
27.1985)**

Conversions

Conversions Part 1

Format	Color
Hex	009988
RGB	0, 153, 136
RGB Percent	0%, 60%, 53%
CMY	0.9999, 0.4000, 0.4667
CMYK	1.00, 0.00, 0.11, 0.40
HSL	173°, 100%, 30%
HSV	173°, 100%, 60%
XYZ	15.8352, 24.5600, 27.1985
YIQ	105.3150, -85.7310, -37.7230

Conversions

Conversions Part 2

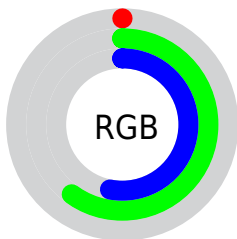
Format	Color
RYB	0, 81, 153
Decimal	39304
CIELab	56.64, -38.00, -0.71
CIELCh	57, 38.002, 181.069
Yxy	24.5600, 0.2343, 0.3633
Android (android.graphics.Color)	4278229384 (0xFF009988)
YUV	105.3150, 15.1277, -92.3613
Hunter-Lab	49.5580, -29.6908, 2.1510

Details

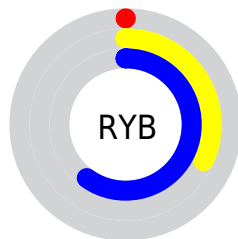
The XYZ color **15.8352, 24.5600, 27.1985** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.2389, 6.8136, 1.1487**, and the grayscale version is **13.4918, 14.1944, 15.4577**.

A 20% lighter version of the original color is **35.8610, 50.9097, 56.0806**, and **6.3334, 9.9792, 10.3965** is the 20% darker color. If you saturate the color by 10%, you get **15.8354, 24.5607, 27.1980**, and if you desaturate by 10%, it is **16.1598, 24.7138, 27.8502**.

Distribution



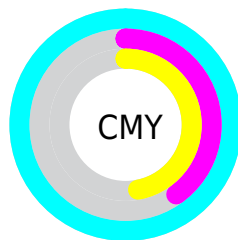
- Red (0%)
- Green (60%)
- Blue (53%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8352, 24.5600, 27.1985 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 15.8352, 24.5600, 27.1985 by changing the saturation by 10% instead.

■ 15.8352, 24.5600,
27.1985

■ 15.8352, 24.5600,
27.1985

■ 221.6569,
275.6396, 302.4075

■ 9.4977, 15.7495,
17.4886

■ 35.8716, 50.9425,
56.2098

■ 5.1269, 9.3471,
10.4178

■ 50.3013, 69.2834,
76.3484

■ 2.3574, 4.9683,
5.5677

■ 68.1590, 91.5698,
100.8002

■ 0.8238, 2.2287,
2.5195

■ 89.8103, 118.1862,
129.9838

■ 0.0000, 0.7356,
0.8505

■ 115.6203,
149.5170, 164.3178

■ 0.0000, 0.0000,
0.0000

■ 145.9545,

185.9466, 204.2207

181.1782,
227.8593, 250.1111

■ 15.8352, 24.5600,
27.1985

■ 15.8352, 24.5600,
27.1985

■ 15.8354, 24.5607,
27.1980

■ 16.1598, 24.7138,
27.8502

■ 16.6351, 24.9445,
28.5184

■ 17.3303, 25.2884,
29.2070

■ 18.2729, 25.7596,
29.9173

■ 19.4866, 26.3703,
30.6505

■ 20.9920, 27.1312,
31.4076

■ 22.8078, 28.0519,
32.1895

■ 24.9513, 29.1412,
32.9971

■ 27.4383, 30.4074,
33.8310

Harmonies

Analogous

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



16.6671, 24.5600, 16.6103



15.8352, 24.5600, 27.1985



16.7941, 24.5600, 41.3732

Triad

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



15.8352, 24.5600, 27.1985



28.0103, 24.5600, 53.4789



27.7012, 24.5600, 10.5944

Complementary

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



15.8352, 24.5600, 27.1985



13.2389, 6.8136, 1.1487

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.



31.4066, 24.5600, 16.0441



15.8352, 24.5600, 27.1985



31.6003, 24.5600, 40.3296

Square

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



15.8352, 24.5600, 27.1985



23.5025, 24.5600, 59.2081



32.9142, 24.5600, 26.2900



23.1853, 24.5600, 9.0410

Rectangle

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



15.8352, 24.5600, 27.1985



18.3997, 24.5600, 50.4977



32.9142, 24.5600, 26.2900



29.1020, 24.5600, 11.9240

Sweetspot

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



15.8359, 24.5609, 27.1991



40.6306, 50.1273, 57.5595



11.6388, 22.9106, 3.8095



8.6832, 10.9222, 12.5897



72.9764, 76.7769, 83.6100



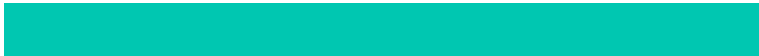
11.9732, 12.5967, 13.7178

Same Dimension

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



15.8359, 24.5609, 27.1991



28.3159, 43.9670, 48.4823



9.7851, 10.3699, 31.6238



6.3550, 7.0147, 7.7929



13.0949, 20.3014, 22.5179



0.2031, 0.3064, 0.3753

Inverse Universe

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



13.2389, 6.8136, 1.1487



23.6725, 12.1868, 1.8690



14.6843, 9.8663, 1.1311



6.2353, 6.2333, 6.6194



10.9479, 5.6334, 0.9845



0.1701, 0.0868, 0.0485

Previews

White Background



This preview shows how the XYZ color 15.8352, 24.5600, 27.1985 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 15.8352, 24.5600, 27.1985 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 15.8352, 24.5600, 27.1985

Background



This preview shows how black text looks on a background with the XYZ color 15.8352, 24.5600, 27.1985.

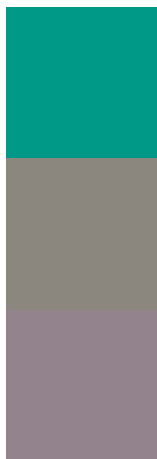


This preview shows how white text looks on a background with the XYZ color 15.8352, 24.5600,

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

15.8352, 24.5600, 27.1985

Protanopia

23.2451, 24.4098, 23.2251

Deuteranopia

24.7781, 24.2667, 28.5773



Tritanopia

18.0555, 24.5192, 37.4993

Trichromacy



Original Color

15.8352, 24.5600, 27.1985

Protanomaly

17.8221, 23.0816, 24.6350

Deuteranomaly

18.4070, 22.6565, 27.8291

Tritanomaly

16.9747, 24.2864, 33.4988

Monochromacy



Original Color

15.8352, 24.5600, 27.1985

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.4267, 16.3733, 19.0284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8352, 24.5600, 27.1985 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, 153, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 136)  
}
```

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, 153, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 136) }
```

Border

The CSS property to change the border of an element to XYZ 15.8352, 24.5600, 27.1985 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, 153, 136) }
```


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

```
.border{ border-color:rgb(0, 153, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8352, 24.5600, 27.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 136) }
```

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

```
.background{ background-color: rgb(0, 153,  
136) }
```

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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