

Converting Colors

XYZ(15.7547, 23.2206, 30.8049)

Have a look what the booklet for
XYZ(15.7547, 23.2206, 30.8049)
contains.

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Color

**XYZ(15.7782, 23.2551,
30.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	009492
RGB	0, 148, 146
RGB Percent	0%, 58%, 57%
CMY	0.9999, 0.4196, 0.4274
CMYK	1.00, 0.00, 0.01, 0.42
HSL	179°, 100%, 29%
HSV	179°, 100%, 58%
XYZ	15.7782, 23.2551, 30.8512
YIQ	103.5200, -87.5660, -31.9980

Conversions

Conversions Part 2

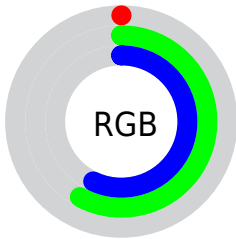
Format	Color
RYB	0, 75, 148
Decimal	38034
CIELab	55.33, -32.68, -8.37
CIELCh	55, 33.734, 194.368
Yxy	23.2551, 0.2258, 0.3328
Android (android.graphics.Color)	4278228114 (0xFF009492)
YUV	103.5200, 20.9426, -90.7870
Hunter-Lab	48.2235, -25.9880, -4.1745

Details

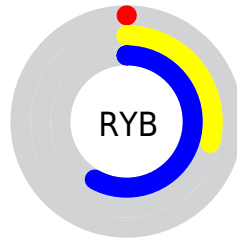
The XYZ color **15.7782, 23.2551, 30.8512** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2245, 6.3010, 0.6300**, and the grayscale version is **12.9948, 13.6715, 14.8883**.

A 20% lighter version of the original color is **35.9011, 49.0058, 62.2105**, and **6.3860, 9.3939, 12.5430** is the 20% darker color. If you saturate the color by 10%, you get **15.7786, 23.2558, 30.8516**, and if you desaturate by 10%, it is **15.9883, 23.3621, 30.9429**.

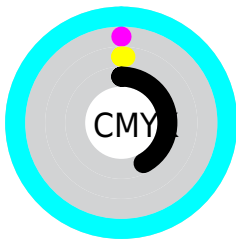
Distribution



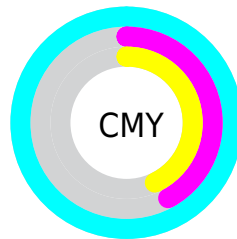
- Red (0%)
- Green (58%)
- Blue (57%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7782, 23.2551, 30.8512 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 15.7782, 23.2551, 30.8512 by changing the saturation by 10% instead.


 15.7782, 23.2551,
30.8512


 15.7782, 23.2551,
30.8512


221.3256,
269.0325, 320.1822

 9.4572, 14.7820,
20.2281


 35.7733, 48.8119,
62.0826


 5.1001, 8.6665,
12.3752


 50.1781, 66.6643,
83.5278


 2.3414, 4.5243,
6.8741


 68.0082, 88.4120,
109.4176

 0.8157, 1.9710,
3.3062

 89.6289, 114.4393,
140.1703

 0.0000, 0.5905,
1.2531

 115.4057,
145.1306, 176.2046

 0.0000, 0.0000,
0.0228

 145.7038,

 0.0000, 0.0000,

180.8703, 217.9390

0.0000

180.8886,
222.0428, 265.7920

■ 15.7782, 23.2551,
30.8512

■ 15.7782, 23.2551,
30.8512

■ 15.7786, 23.2558,
30.8516

■ 15.9883, 23.3621,
30.9429

■ 16.3343, 23.5387,
31.0406

■ 16.8824, 23.8195,
31.1479

■ 17.6580, 24.2175,
31.2660

■ 18.6827, 24.7439,
31.3958

■ 19.9755, 25.4085,
31.5384

■ 21.5537, 26.2203,
31.6945

■ 23.4330, 27.1873,
31.8648

■ 25.6282, 28.3172,
32.0500

Harmonies

Analogous

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



15.8114, 23.2551, 20.1114



15.7782, 23.2551, 30.8512



17.2998, 23.2551, 42.8635

Triad

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



15.7782, 23.2551, 30.8512



27.5908, 23.2551, 43.3265



24.1221, 23.2551, 10.0893

Complementary

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



15.7782, 23.2551, 30.8512



12.2245, 6.3010, 0.6300

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.



27.7225, 23.2551, 13.3670



15.7782, 23.2551, 30.8512



29.8756, 23.2551, 31.3601

Square

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



15.7782, 23.2551, 30.8512



23.9582, 23.2551, 51.3425



29.9264, 23.2551, 20.4944



20.3466, 23.2551, 10.0251

Rectangle

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



15.7782, 23.2551, 30.8512



19.1032, 23.2551, 49.1344



29.9264, 23.2551, 20.4944



25.4021, 23.2551, 10.7983

Sweetspot

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



15.7789, 23.2560, 30.8518



37.8432, 46.1673, 55.9040



10.6215, 21.1966, 3.5322



8.3842, 10.4080, 12.7370



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.7789, 23.2560, 30.8518



27.8342, 41.0303, 54.4056



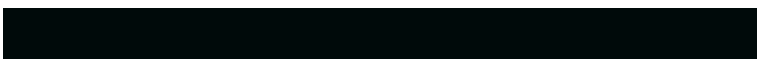
7.9633, 7.3734, 29.0213



5.9608, 6.5609, 7.4043



13.4779, 19.8640, 26.3560



0.1658, 0.2435, 0.3272

Inverse Universe

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



12.2245, 6.3010, 0.6300



21.5630, 11.1145, 1.0831



14.5014, 10.8724, 1.3349



5.8038, 5.8166, 6.0729



10.4419, 5.3818, 0.5419



0.1284, 0.0661, 0.0100

Previews

White Background



This preview shows how the XYZ color 15.7782, 23.2551, 30.8512 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 15.7782, 23.2551, 30.8512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

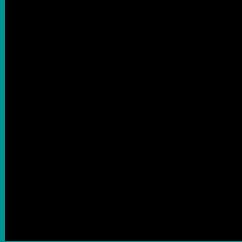
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7782, 23.2551, 30.8512

Background



This preview shows how black text looks on a background with the XYZ color 15.7782, 23.2551, 30.8512.

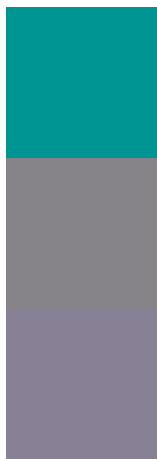


This preview shows how white text looks on a background with the XYZ color 15.7782, 23.2551,

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

15.7782, 23.2551, 30.8512

Protanopia

22.2331, 22.9967, 26.5596

Deuteranopia

23.5086, 23.1368, 32.0810



Tritanopia

16.9571, 23.2876, 35.9490

Trichromacy



Original Color

15.7782, 23.2551, 30.8512

Protanomaly

17.4256, 21.7161, 28.0841

Deuteranomaly

18.1595, 21.8045, 31.6854

Tritanomaly

16.5159, 23.3291, 34.2043

Monochromacy



Original Color

15.7782, 23.2551, 30.8512

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.2930, 15.9231, 19.8783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7782, 23.2551, 30.8512 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, 148, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 146)  
}
```

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, 148, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.7782, 23.2551, 30.8512 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, 148, 146) }
```


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

```
.border{ border-color:rgb(0, 148, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7782, 23.2551, 30.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 146) }
```

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

```
.background{ background-color: rgb(0, 148,  
146) }
```

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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