

Converting Colors

XYZ(15.7663, 23.0715, 31.3403)

Have a look what the booklet for
XYZ(15.7663, 23.0715, 31.3403)
contains.

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Color

**XYZ(15.7002, 22.9740,
31.2107)**

Conversions

Conversions Part 1

Format	Color
Hex	009393
RGB	0, 147, 147
RGB Percent	0%, 58%, 58%
CMY	0.9999, 0.4235, 0.4235
CMYK	1.00, 0.00, 0.00, 0.42
HSL	180°, 100%, 29%
HSV	180°, 100%, 58%
XYZ	15.7002, 22.9740, 31.2107
YIQ	103.0470, -87.6120, -31.1640

Conversions

Conversions Part 2

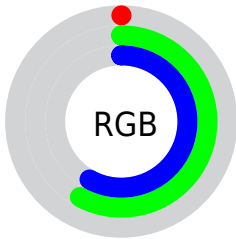
Format	Color
RYB	0, 74, 147
Decimal	37779
CIELab	55.05, -31.89, -9.38
CIELCh	55, 33.239, 196.386
Yxy	22.9740, 0.2247, 0.3287
Android (android.graphics.Color)	4278227859 (0xFF009393)
YUV	103.0470, 21.6688, -90.3722
Hunter-Lab	47.9312, -25.4107, -5.0552

Details

The XYZ color **15.7002, 22.9740, 31.2107** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.0334, 6.2038, 0.5640**, and the grayscale version is **12.8679, 13.5380, 14.7429**.

A 20% lighter version of the original color is **35.7830, 48.5820, 62.7496**, and **6.3405, 9.2288, 12.7564** is the 20% darker color. If you saturate the color by 10%, you get **15.7006, 22.9747, 31.2112**, and if you desaturate by 10%, it is **15.8932, 23.0740, 31.2203**.

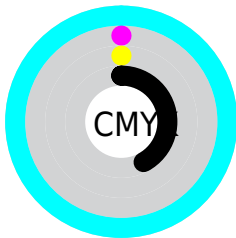
Distribution



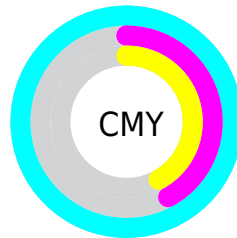
- Red (0%)
- Green (58%)
- Blue (58%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.7002, 22.9740, 31.2107 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 15.7002, 22.9740, 31.2107 by changing the saturation by 10% instead.


 15.7002, 22.9740,
31.2107


 15.7002, 22.9740,
31.2107


220.8714,
267.5914, 321.8890


 9.4018, 14.5743,
20.4995


 35.6386, 48.3506,
62.6551


 5.0633, 8.5212,
12.5710


 50.0093, 66.0964,
84.2254


 2.3196, 4.4302,
7.0066


 67.8014, 87.7262,
110.2525

 0.8047, 1.9170,
3.3877

 89.3804, 113.6246,
141.1550

 0.0000, 0.5586,
1.2958

 115.1115,
144.1760, 177.3513

 0.0000, 0.0000,
0.0584

 145.3602,

 0.0000, 0.0000,

179.7646, 219.2601

0.0000

180.4917,
220.7750, 267.2998

■ 15.7002, 22.9740,
31.2107

■ 15.7002, 22.9740,
31.2107

■ 15.7006, 22.9747,
31.2112

■ 15.8932, 23.0740,
31.2203

■ 16.2194, 23.2422,
31.2356

■ 16.7447, 23.5130,
31.2602

■ 17.4940, 23.8992,
31.2953

■ 18.4884, 24.4118,
31.3419

■ 19.7466, 25.0605,
31.4008

■ 21.2858, 25.8540,
31.4729

■ 23.1213, 26.8002,
31.5589

■ 25.2677, 27.9067,
31.6593

Harmonies

Analogous

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



15.6288, 22.9740, 20.5214



15.7002, 22.9740, 31.2107



17.2895, 22.9740, 42.8445

Triad

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



15.7002, 22.9740, 31.2107



27.3993, 22.9740, 41.8548



23.5528, 22.9740, 9.9840

Complementary

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



15.7002, 22.9740, 31.2107



12.0334, 6.2038, 0.5640

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.



27.1172, 22.9740, 12.9782



15.7002, 22.9740, 31.2107



29.5014, 22.9740, 30.1205

Square

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



15.7002, 22.9740, 31.2107



23.9041, 22.9740, 50.0787



29.3927, 22.9740, 19.6984



19.8909, 22.9740, 10.1229

Rectangle

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



15.7002, 22.9740, 31.2107



19.1100, 22.9740, 48.6971



29.3927, 22.9740, 19.6984



24.8099, 22.9740, 10.6109

Sweetspot

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



15.7009, 22.9749, 31.2113



37.9284, 46.2014, 56.3531



10.4652, 20.8841, 3.4802



8.4061, 10.4168, 12.8524



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.



15.7009, 22.9749, 31.2113



28.1167, 41.1433, 55.8934



7.8489, 7.2707, 28.5943



5.9641, 6.5622, 7.4220



13.6112, 19.9173, 27.0577



0.1666, 0.2438, 0.3312

Inverse Universe

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



12.0334, 6.2038, 0.5640



21.5488, 11.1088, 1.0085



14.2905, 10.7179, 1.3163



5.8008, 5.8154, 6.0572



10.4317, 5.3777, 0.4882



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 15.7002, 22.9740, 31.2107 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 15.7002, 22.9740, 31.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

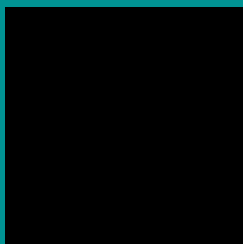
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

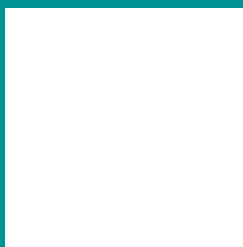
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7002, 22.9740, 31.2107

Background



This preview shows how black text looks on a background with the XYZ color 15.7002, 22.9740, 31.2107.



This preview shows how white text looks on a background with the XYZ color 15.7002, 22.9740,

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

15.7002, 22.9740, 31.2107

Protanopia

22.0137, 22.6769, 26.8838

Deuteranopia

23.1366, 22.7410, 32.4482



Tritanopia

16.6632, 22.9181, 35.4437

Trichromacy



Original Color

15.7002, 22.9740, 31.2107



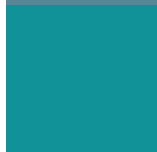
Protanomaly

17.2680, 21.4162, 28.4229



Deuteranomaly

17.9153, 21.4612, 32.0524



Tritanomaly

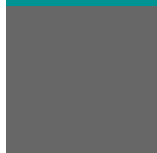
16.2598, 22.9768, 33.7150

Monochromacy



Original Color

15.7002, 22.9740, 31.2107



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

12.1734, 15.6838, 19.8384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7002, 22.9740, 31.2107 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, 147, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 147)  
}
```

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, 147, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.7002, 22.9740, 31.2107 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, 147, 147) }
```


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

```
.border{ border-color:rgb(0, 147, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7002, 22.9740, 31.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 147) }
```

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

```
.background{ background-color: rgb(0, 147,  
147) }
```

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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