

Converting Colors

XYZ(14.9745, 23.1500, 30.7293)

Have a look what the booklet for
XYZ(14.9745, 23.1500, 30.7293)
contains.

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Color

**XYZ(15.9358, 23.5702,
30.9037)**

Conversions

Conversions Part 1

Format	Color
Hex	009592
RGB	0, 149, 146
RGB Percent	0%, 58%, 57%
CMY	0.9999, 0.4157, 0.4274
CMYK	1.00, 0.00, 0.02, 0.42
HSL	179°, 100%, 29%
HSV	179°, 100%, 58%
XYZ	15.9358, 23.5702, 30.9037
YIQ	104.1070, -87.8410, -32.5210

Conversions

Conversions Part 2

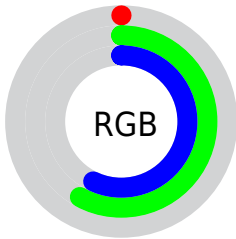
Format	Color
RYB	0, 75, 149
Decimal	38290
CIELab	55.65, -33.15, -7.89
CIELCh	56, 34.076, 193.393
Yxy	23.5702, 0.2263, 0.3348
Android (android.graphics.Color)	4278228370 (0xFF009592)
YUV	104.1070, 20.6532, -91.3018
Hunter-Lab	48.5492, -26.3701, -3.7563

Details

The XYZ color **15.9358, 23.5702, 30.9037** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.4117, 6.3970, 0.6676**, and the grayscale version is **13.1525, 13.8375, 15.0690**.

A 20% lighter version of the original color is **36.1380, 49.4797, 62.2894**, and **6.3860, 9.3939, 12.5430** is the 20% darker color. If you saturate the color by 10%, you get **15.9361, 23.5709, 30.9040**, and if you desaturate by 10%, it is **16.1554, 23.6812, 31.0366**.

Distribution



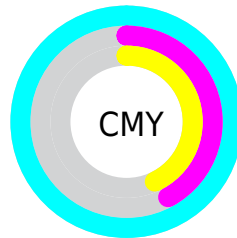
- Red (0%)
- Green (58%)
- Blue (57%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (42%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9358, 23.5702, 30.9037 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 15.9358, 23.5702, 30.9037 by changing the saturation by 10% instead.

■ 15.9358, 23.5702,
30.9037

■ 15.9358, 23.5702,
30.9037

■ 222.2404,
270.6403, 320.4319

■ 9.5693, 15.0151,
20.2677

■ 36.0451, 49.3279,
62.1662

■ 5.1744, 8.8300,
12.4038

■ 50.5185, 67.2993,
83.6298

■ 2.3858, 4.6305,
6.8934

■ 68.4250, 89.1783,
109.5397

■ 0.8380, 2.0321,
3.3181

■ 90.1299, 115.3492,
140.3143

■ 0.0000, 0.6260,
1.2593

■ 115.9985,
146.1965, 176.3723

■ 0.0000, 0.0000,
0.0281

■ 146.3963,

■ 0.0000, 0.0000,

182.1045, 218.1322

0.0000

181.6884,
223.4576, 266.0126

■ 15.9358, 23.5702,
30.9037

■ 15.9358, 23.5702,
30.9037

■ 15.9361, 23.5709,
30.9040

■ 16.1554, 23.6812,
31.0366

■ 16.5134, 23.8631,
31.1757

■ 17.0768, 24.1508,
31.3248

■ 17.8712, 24.5576,
31.4850

■ 18.9187, 25.0949,
31.6573

■ 20.2386, 25.7726,
31.8428

■ 21.8484, 26.5997,
32.0421

■ 23.7643, 27.5846,
32.2561

■ 26.0011, 28.7350,
32.4854

Harmonies

Analogous

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



16.0218, 23.5702, 20.0602



15.9358, 23.5702, 30.9037



17.4349, 23.5702, 43.1924

Triad

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



15.9358, 23.5702, 30.9037



27.8928, 23.5702, 44.3954



24.5896, 23.5702, 10.2185

Complementary

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



15.9358, 23.5702, 30.9037



12.4117, 6.3970, 0.6676

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.



28.2346, 23.5702, 13.6646



15.9358, 23.5702, 30.9037



30.2864, 23.5702, 32.2247

Square

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



15.9358, 23.5702, 30.9037



24.1645, 23.5702, 52.3620



30.4182, 23.5702, 21.0527



20.7288, 23.5702, 10.0525

Rectangle

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



15.9358, 23.5702, 30.9037



19.2431, 23.5702, 49.7189



30.4182, 23.5702, 21.0527



25.8906, 23.5702, 10.9742

Sweetspot

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



15.9365, 23.5711, 30.9043



38.9298, 47.5341, 57.3584



10.8104, 21.5278, 3.5863



8.3735, 10.4037, 12.6808



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.



15.9365, 23.5711, 30.9043



28.5302, 42.2078, 55.2988



8.2561, 7.8318, 29.5112



5.9591, 6.5602, 7.3956



13.4135, 19.8382, 26.0166



0.1655, 0.2433, 0.3252

Inverse Universe

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



12.4117, 6.3970, 0.6676



22.2182, 11.4514, 1.1514



14.5570, 10.7140, 1.3016



5.8052, 5.8172, 6.0806



10.4469, 5.3838, 0.5682



0.1288, 0.0663, 0.0119

Previews

White Background



This preview shows how the XYZ color 15.9358, 23.5702, 30.9037 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 15.9358, 23.5702, 30.9037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

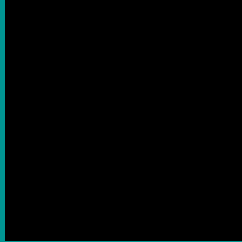
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9358, 23.5702, 30.9037

Background



This preview shows how black text looks on a background with the XYZ color 15.9358, 23.5702, 30.9037.

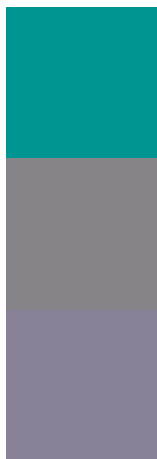


This preview shows how white text looks on a background with the XYZ color 15.9358, 23.5702,

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

15.9358, 23.5702, 30.9037

Protanopia

22.5267, 23.3484, 26.6120

Deuteranopia

23.6718, 23.2209, 32.0886



Tritanopia

17.2271, 23.6467, 36.4572

Trichromacy



Original Color

15.9358, 23.5702, 30.9037

Protanomaly

17.5684, 22.0017, 28.1317

Deuteranomaly

18.1595, 21.8045, 31.6854

Tritanomaly

16.6912, 23.6514, 34.2573

Monochromacy



Original Color

15.9358, 23.5702, 30.9037

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 15.9358, 23.5702, 30.9037 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, 149, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 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, 149, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.9358, 23.5702, 30.9037 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, 149, 146) }
```


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

```
.border{ border-color:rgb(0, 149, 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, 149, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9358, 23.5702, 30.9037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 146) }
```

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

```
.background{ background-color: rgb(0, 149,  
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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