

Converting Colors

XYZ(15.6394, 23.1728, 30.1750)

Have a look what the booklet for
XYZ(15.6394, 23.1728, 30.1750)
contains.

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Color

**XYZ(15.6239, 23.1934,
30.0389)**

Conversions

Conversions Part 1

Format	Color
Hex	009490
RGB	0, 148, 144
RGB Percent	0%, 58%, 56%
CMY	0.9999, 0.4196, 0.4353
CMYK	1.00, 0.00, 0.03, 0.42
HSL	178°, 100%, 29%
HSV	178°, 100%, 58%
XYZ	15.6239, 23.1934, 30.0389
YIQ	103.2920, -86.9240, -32.6200

Conversions

Conversions Part 2

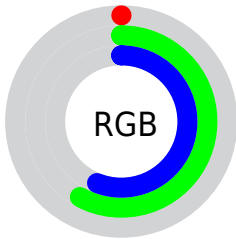
Format	Color
RYB	0, 75, 148
Decimal	38032
CIELab	55.27, -33.31, -7.32
CIELCh	55, 34.100, 192.391
Yxy	23.1934, 0.2269, 0.3368
Android (android.graphics.Color)	4278228112 (0xFF009490)
YUV	103.2920, 20.0690, -90.5871
Hunter-Lab	48.1595, -26.3703, -3.2697

Details

The XYZ color **15.6239, 23.1934, 30.0389** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2353, 6.3053, 0.6876**, and the grayscale version is **12.9360, 13.6097, 14.8210**.

A 20% lighter version of the original color is **35.6688, 48.9129, 60.9873**, and **6.2033, 9.1739, 12.0335** is the 20% darker color. If you saturate the color by 10%, you get **15.6243, 23.1941, 30.0393**, and if you desaturate by 10%, it is **15.8491, 23.3064, 30.2099**.

Distribution



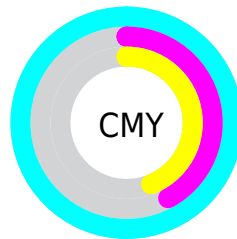
- Red (0%)
- Green (58%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6239, 23.1934, 30.0389 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 15.6239, 23.1934, 30.0389 by changing the saturation by 10% instead.

■ 15.6239, 23.1934,
30.0389

■ 15.6239, 23.1934,
30.0389

■ 220.4264,
268.7168, 316.2987

■ 9.3476, 14.7364,
19.6158

■ 35.5068, 48.7107,
60.7854

■ 5.0275, 8.6346,
11.9348

■ 49.8440, 66.5398,
81.9459

■ 2.2983, 4.5036,
6.5773

■ 67.5990, 88.2616,
107.5227

■ 0.7938, 1.9591,
3.1248

■ 89.1370, 114.2607,
137.9342

■ 0.0000, 0.5835,
1.1587

■ 114.8233,
144.9213, 173.5990

■ 0.0000, 0.0000,
0.0000

■ 145.0234,

180.6280, 214.9357

180.1027,
221.7650, 262.3627

■ 15.6239, 23.1934,
30.0389

■ 15.6239, 23.1934,
30.0389

■ 15.6243, 23.1941,
30.0393

■ 15.8491, 23.3064,
30.2099

■ 16.2101, 23.4890,
30.3873

■ 16.7734, 23.7758,
30.5748

■ 17.5642, 24.1799,
30.7735

■ 18.6042, 24.7125,
30.9843

■ 19.9123, 25.3832,
31.2084

■ 21.5060, 26.2012,
31.4463

■ 23.4008, 27.1744,
31.6989

■ 25.6116, 28.3105,
31.9669

Harmonies

Analogous

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



15.7618, 23.1934, 19.4124



15.6239, 23.1934, 30.0389



17.0552, 23.1934, 42.2449

Triad

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



15.6239, 23.1934, 30.0389



27.3734, 23.1934, 44.1811



24.3409, 23.1934, 10.0478

Complementary

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



15.6239, 23.1934, 30.0389



12.2353, 6.3053, 0.6876

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.



27.9230, 23.1934, 13.5661



15.6239, 23.1934, 30.0389



29.8080, 23.1934, 32.1628

Square

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



15.6239, 23.1934, 30.0389



23.6577, 23.1934, 51.8564



30.0200, 23.1934, 21.0057



20.5066, 23.1934, 9.7822

Rectangle

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



15.6239, 23.1934, 30.0389



18.8145, 23.1934, 48.8403



30.0200, 23.1934, 21.0057



25.6247, 23.1934, 10.8294

Sweetspot

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



15.6246, 23.1943, 30.0395



37.7583, 46.1334, 55.4573



10.6523, 21.2125, 3.5335



8.3624, 10.3993, 12.6224



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.



15.6246, 23.1943, 30.0395



27.5567, 40.9193, 52.9443



8.1375, 7.7220, 29.0795



5.9574, 6.5596, 7.3866



13.3470, 19.8116, 25.6664



0.1651, 0.2432, 0.3232

Inverse Universe

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



12.2353, 6.3053, 0.6876



21.5771, 11.1201, 1.1576



14.3461, 10.5618, 1.2830



5.8068, 5.8178, 6.0886



10.4521, 5.3859, 0.5956



0.1292, 0.0664, 0.0139

Previews

White Background



This preview shows how the XYZ color 15.6239, 23.1934, 30.0389 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 15.6239, 23.1934, 30.0389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

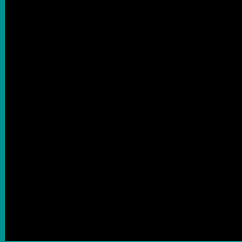
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6239, 23.1934, 30.0389

Background



This preview shows how black text looks on a background with the XYZ color 15.6239, 23.1934, 30.0389.

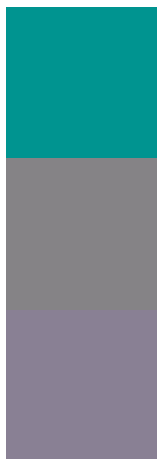


This preview shows how white text looks on a background with the XYZ color 15.6239, 23.1934,

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

15.6239, 23.1934, 30.0389

Protanopia

22.0922, 22.9404, 25.8178

Deuteranopia

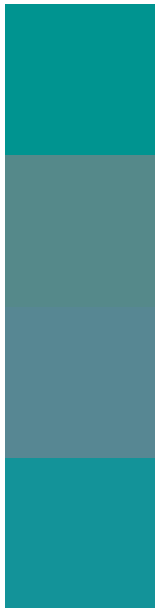
23.3810, 22.8948, 31.2038



Tritanopia

16.9859, 23.3024, 35.9503

Trichromacy



Original Color

15.6239, 23.1934, 30.0389

Protanomaly

17.2794, 21.6576, 27.3144

Deuteranomaly

17.8609, 21.4608, 30.8047

Tritanomaly

16.4520, 23.3058, 33.7683

Monochromacy



Original Color

15.6239, 23.1934, 30.0389

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1136, 15.6599, 19.5238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6239, 23.1934, 30.0389 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 144) }
```

Border

The CSS property to change the border of an element to XYZ 15.6239, 23.1934, 30.0389 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, 144) }
```


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

```
.border{ border-color:rgb(0, 148, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6239, 23.1934, 30.0389 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, 144) }
```

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

```
.background{ background-color: rgb(0, 148,  
144) }
```

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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