

Converting Colors

XYZ(16.1038, 23.5110, 31.9031)

Have a look what the booklet for
XYZ(16.1038, 23.5110, 31.9031)
contains.

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Color

**XYZ(15.9978, 23.3502,
31.6808)**

Conversions

Conversions Part 1

Format	Color
Hex	059494
RGB	5, 148, 148
RGB Percent	2%, 58%, 58%
CMY	0.9803, 0.4196, 0.4196
CMYK	0.97, 0.00, 0.00, 0.42
HSL	180°, 93%, 30%
HSV	180°, 97%, 58%
XYZ	15.9978, 23.3502, 31.6808
YIQ	105.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

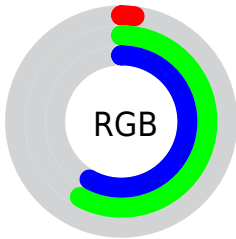
Format	Color
RYB	5, 77, 148
Decimal	365716
CIELab	55.43, -31.83, -9.37
CIELCh	55, 33.180, 196.405
Yxy	23.3502, 0.2252, 0.3287
Android (android.graphics.Color)	4278555796 (0xFF059494)
YUV	105.2430, 21.0792, -87.9131
Hunter-Lab	48.3220, -25.4682, -5.0462

Details

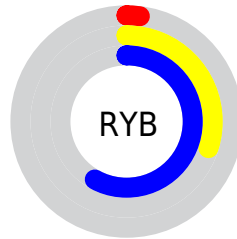
The XYZ color **15.9978, 23.3502, 31.6808** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2952, 6.4162, 0.7347**, and the grayscale version is **13.4565, 14.1573, 15.4173**.

A 20% lighter version of the original color is **36.2331, 49.1498, 63.4543**, and **6.4324, 9.4125, 12.7870** is the 20% darker color. If you saturate the color by 10%, you get **15.9356, 23.3186, 31.6784**, and if you desaturate by 10%, it is **16.2206, 23.4655, 31.6918**.

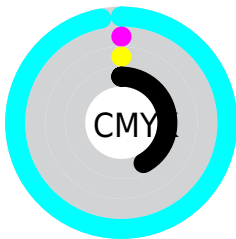
Distribution



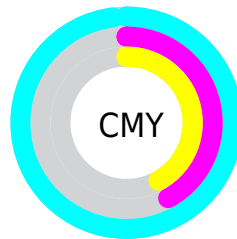
- Red (2%)
- Green (58%)
- Blue (58%)



- Red (2%)
- Yellow (30%)
- Blue (58%)



- Cyan (97%)
- Magenta (0%)
- Yellow (0%)
- Black (42%)



- Cyan (98%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9978, 23.3502, 31.6808 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 15.9978, 23.3502, 31.6808 by changing the saturation by 10% instead.

■ 15.9978, 23.3502,
31.6808

■ 15.9978, 23.3502,
31.6808

■ 222.5994,
269.5186, 324.1104

■ 9.6134, 14.8523,
20.8550

■ 36.1519, 48.9677,
63.4024

■ 5.2037, 8.7158,
12.8278

■ 50.6523, 66.8561,
85.1354

■ 2.4033, 4.5563,
7.1808

■ 68.5887, 88.6435,
111.3411

■ 0.8467, 1.9893,
3.4953

■ 90.3266, 114.7142,
142.4381

■ 0.0000, 0.6013,
1.3527

■ 116.2313,
145.4527, 178.8450

■ 0.0000, 0.0000,
0.1044

■ 146.6680,

■ 0.0000, 0.0000,

181.2434, 220.9804

0.0000

182.0023,
222.4705, 269.2626

■ 15.9978, 23.3502,
31.6808

■ 15.9978, 23.3502,
31.6808

■ 15.9356, 23.3186,
31.6784

■ 16.2206, 23.4655,
31.6918

■ 16.6161, 23.6694,
31.7104

■ 17.2229, 23.9822,
31.7388

■ 18.0647, 24.4162,
31.7783

■ 19.1622, 24.9820,
31.8297

■ 20.5339, 25.6891,
31.8939

■ 22.1964, 26.5462,
31.9718

■ 24.1651, 27.5611,
32.0640

■ 26.4544, 28.7413,
32.1712

Harmonies

Analogous

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



15.9247, 23.3502, 20.8939



15.9978, 23.3502, 31.6808



17.6047, 23.3502, 43.3991

Triad

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



15.9978, 23.3502, 31.6808



27.8062, 23.3502, 42.3889



23.9232, 23.3502, 10.2251

Complementary

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



15.9978, 23.3502, 31.6808



12.2952, 6.4162, 0.7347

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.



27.5179, 23.3502, 13.2572



15.9978, 23.3502, 31.6808



29.9236, 23.3502, 30.5666

Square

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



15.9978, 23.3502, 31.6808



24.2824, 23.3502, 50.6697



29.8126, 23.3502, 20.0512



20.2283, 23.3502, 10.3679

Rectangle

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



15.9978, 23.3502, 31.6808



19.4439, 23.3502, 49.2868



29.8126, 23.3502, 20.0512



25.1912, 23.3502, 10.8601

Sweetspot

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



15.9985, 23.3511, 31.6814



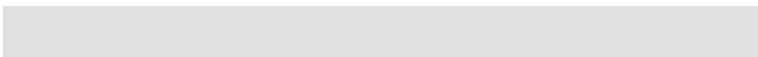
38.2357, 46.3598, 56.3674



10.7105, 21.2393, 3.6794



8.4674, 10.4484, 12.8552



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.



15.9985, 23.3511, 31.6814



28.1167, 41.1433, 55.8932



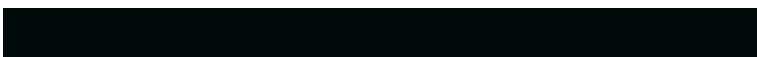
8.1969, 7.7476, 29.0813



5.9641, 6.5622, 7.4220



13.6112, 19.9173, 27.0576



0.1666, 0.2438, 0.3312

Inverse Universe

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



12.2952, 6.4162, 0.7347



21.5488, 11.1088, 1.0085



14.6981, 11.2221, 1.5357



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 15.9978, 23.3502, 31.6808 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 15.9978, 23.3502, 31.6808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

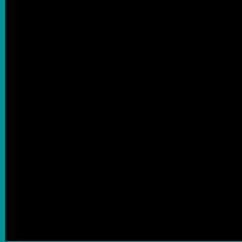
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.9978, 23.3502, 31.6808

Background



This preview shows how black text looks on a background with the XYZ color 15.9978, 23.3502, 31.6808.

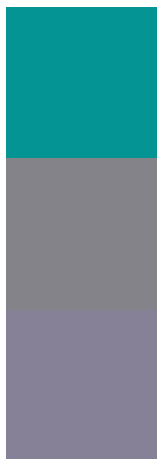


This preview shows how white text looks on a background with the XYZ color 15.9978, 23.3502,

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

15.9978, 23.3502, 31.6808

Protanopia

22.3766, 23.0541, 27.3153

Deuteranopia

23.5094, 23.1184, 32.9290



Tritanopia

16.9024, 23.2594, 35.9464

Trichromacy



Original Color

15.9978, 23.3502, 31.6808

Protanomaly

17.6659, 21.8227, 28.8723

Deuteranomaly

18.4146, 21.9174, 32.5381

Tritanomaly

16.5350, 23.3390, 34.2052

Monochromacy



Original Color

15.9978, 23.3502, 31.6808

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7428, 16.3204, 20.5677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9978, 23.3502, 31.6808 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(5, 148, 148)` looks like.

```
.text, #text, p{  
    color:rgb(5, 148, 148)  
}
```

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(5, 148, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 148, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.9978, 23.3502, 31.6808 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(5, 148, 148) }
```


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

```
.border{ border-color:rgb(5, 148, 148) }
```

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

Here you see how a box with a 4 pixel rgb(5, 148, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 148, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 148, 148);  
box-shadow:4px 4px 4px 4px rgb(5, 148,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9978, 23.3502, 31.6808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 148, 148) }
```

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

```
.background{ background-color: rgb(5, 148,  
148) }
```

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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