

Converting Colors

XYZ(15.7324, 22.9249, 31.5713)

Have a look what the booklet for
XYZ(15.7324, 22.9249, 31.5713)
contains.

XYZ(15.7790, 23.0056, 31.6258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.7790, 23.0056,
31.6258)**

Conversions

Conversions Part 1

Format	Color
Hex	009394
RGB	0, 147, 148
RGB Percent	0%, 58%, 58%
CMY	0.9999, 0.4235, 0.4196
CMYK	1.00, 0.01, 0.00, 0.42
HSL	180°, 100%, 29%
HSV	180°, 100%, 58%
XYZ	15.7790, 23.0056, 31.6258
YIQ	103.1610, -87.9330, -30.8530

Conversions

Conversions Part 2

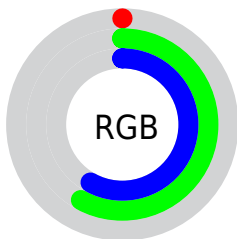
Format	Color
RYB	0, 74, 148
Decimal	37780
CIELab	55.08, -31.57, -9.90
CIELCh	55, 33.088, 197.416
Yxy	23.0056, 0.2241, 0.3267
Android (android.graphics.Color)	4278227860 (0xFF009394)
YUV	103.1610, 22.1056, -90.4722
Hunter-Lab	47.9642, -25.2153, -5.5187

Details

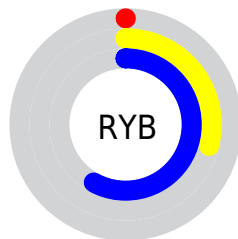
The XYZ color **15.7790, 23.0056, 31.6258** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2241, 6.3181, 0.5758**, and the grayscale version is **12.8965, 13.5682, 14.7757**.

A 20% lighter version of the original color is **35.9010, 48.6292, 63.3713**, and **6.3405, 9.2288, 12.7564** is the 20% darker color. If you saturate the color by 10%, you get **15.7794, 23.0063, 31.6263**, and if you desaturate by 10%, it is **15.9891, 23.1374, 31.6406**.

Distribution



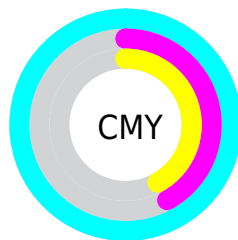
- Red (0%)
- Green (58%)
- Blue (58%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7790, 23.0056, 31.6258 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 15.7790, 23.0056, 31.6258 by changing the saturation by 10% instead.

■ 15.7790, 23.0056,
31.6258

■ 15.7790, 23.0056,
31.6258

■ 221.3302,
267.7538, 323.8511

■ 9.4578, 14.5976,
20.8134

■ 35.7747, 48.4025,
63.3151

■ 5.1004, 8.5375,
12.7978

■ 50.1798, 66.1603,
85.0290

■ 2.3417, 4.4408,
7.1603

■ 68.0103, 87.8034,
111.2139

■ 0.8159, 1.9230,
3.4826

■ 89.6314, 113.7163,
142.2883

■ 0.0000, 0.5622,
1.3460

■ 115.4087,
144.2834, 178.6706

■ 0.0000, 0.0000,
0.0991

■ 145.7073,

■ 0.0000, 0.0000,

179.8891, 220.7795

0.0000

180.8927,
220.9178, 269.0335

■ 15.7790, 23.0056,
31.6258

■ 15.7790, 23.0056,
31.6258

■ 15.7794, 23.0063,
31.6263

■ 15.9891, 23.1374,
31.6406

■ 16.3349, 23.3388,
31.6612

■ 16.8829, 23.6444,
31.6914

■ 17.6584, 24.0673,
31.7321

■ 18.6829, 24.6186,
31.7845

■ 19.9755, 25.3081,
31.8495

■ 21.5534, 26.1448,
31.9278

■ 23.4326, 27.1367,
32.0202

■ 25.6275, 28.2915,
32.1274

Harmonies

Analogous

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



15.6550, 23.0056, 20.8835



15.7790, 23.0056, 31.6258



17.4140, 23.0056, 43.1546

Triad

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



15.7790, 23.0056, 31.6258



27.5081, 23.0056, 41.4399



23.4463, 23.0056, 10.0068

Complementary

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



15.7790, 23.0056, 31.6258



12.2241, 6.3181, 0.5758

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.



27.0190, 23.0056, 12.8833



15.7790, 23.0056, 31.6258



29.5349, 23.0056, 29.7350

Square

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



15.7790, 23.0056, 31.6258



24.0558, 23.0056, 49.8244



29.3464, 23.0056, 19.4540



19.8135, 23.0056, 10.2488

Rectangle

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



15.7790, 23.0056, 31.6258



19.2566, 23.0056, 48.8411



29.3464, 23.0056, 19.4540



24.7013, 23.0056, 10.5976

Sweetspot

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



15.7797, 23.0065, 31.6264



37.8440, 46.0325, 56.3252



10.5904, 21.1803, 3.5306



8.3844, 10.3734, 12.8452



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.



15.7797, 23.0065, 31.6264



27.8362, 40.5820, 55.8006



7.7951, 7.0372, 28.9648



5.9608, 6.5556, 7.4209



13.4789, 19.6525, 27.0139



0.1658, 0.2423, 0.3309

Inverse Universe

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



17.4798, 8.4031, 28.3054



30.8386, 14.8247, 49.9281



14.6625, 11.1950, 1.3886



6.0337, 5.9085, 7.2834



14.9306, 7.1773, 24.1793



0.1832, 0.0880, 0.2983

Previews

White Background



This preview shows how the XYZ color 15.7790, 23.0056, 31.6258 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 15.7790, 23.0056, 31.6258 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 15.7790, 23.0056, 31.6258

Background



This preview shows how black text looks on a background with the XYZ color 15.7790, 23.0056, 31.6258.

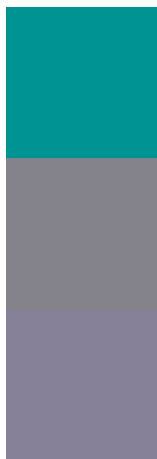


This preview shows how white text looks on a background with the XYZ color 15.7790, 23.0056,

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

15.7790, 23.0056, 31.6258

Protanopia

22.0858, 22.7058, 27.2634

Deuteranopia

23.2182, 22.7737, 32.8778



Tritanopia

16.7907, 23.2117, 35.4936

Trichromacy



Original Color

15.7790, 23.0056, 31.6258

Protanomaly

17.3428, 21.4461, 28.8166

Deuteranomaly

17.9962, 21.4936, 32.4783

Tritanomaly

16.3428, 23.0100, 34.1519

Monochromacy



Original Color

15.7790, 23.0056, 31.6258

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 15.7790, 23.0056, 31.6258 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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(0, 147, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.7790, 23.0056, 31.6258 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, 148) }
```


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

```
.border{ border-color:rgb(0, 147, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7790, 23.0056, 31.6258 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, 148) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor