

Converting Colors

XYZ(10.8616, 20.6000, 30.5014)

Have a look what the booklet for
XYZ(10.8616, 20.6000, 30.5014)
contains.

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Color

**XYZ(15.6220, 22.9428,
30.7992)**

Conversions

Conversions Part 1

Format	Color
Hex	009392
RGB	0, 147, 146
RGB Percent	0%, 58%, 57%
CMY	0.9999, 0.4235, 0.4274
CMYK	1.00, 0.00, 0.01, 0.42
HSL	180°, 100%, 29%
HSV	180°, 100%, 58%
XYZ	15.6220, 22.9428, 30.7992
YIQ	102.9330, -87.2910, -31.4750

Conversions

Conversions Part 2

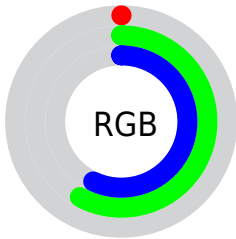
Format	Color
RYB	0, 74, 147
Decimal	37778
CIELab	55.01, -32.21, -8.85
CIELCh	55, 33.400, 195.366
Yxy	22.9428, 0.2252, 0.3308
Android (android.graphics.Color)	4278227858 (0xFF009392)
YUV	102.9330, 21.2320, -90.2722
Hunter-Lab	47.8986, -25.6054, -4.5949

Details

The XYZ color **15.6220, 22.9428, 30.7992** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.0388, 6.2059, 0.5926**, and the grayscale version is **12.8382, 13.5068, 14.7089**.

A 20% lighter version of the original color is **35.6657, 48.5350, 62.1320**, and **6.2942, 9.2103, 12.5124** is the 20% darker color. If you saturate the color by 10%, you get **15.6225, 22.9435, 30.7997**, and if you desaturate by 10%, it is **15.8227, 23.0459, 30.8498**.

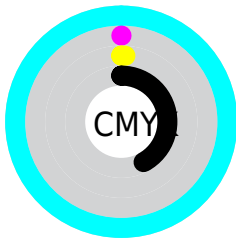
Distribution



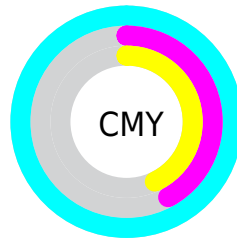
- Red (0%)
- Green (58%)
- Blue (57%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6220, 22.9428, 30.7992 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 15.6220, 22.9428, 30.7992 by changing the saturation by 10% instead.

15.6220, 22.9428,
30.7992

15.6220, 22.9428,
30.7992

220.4153,
267.4311, 319.9347

9.3462, 14.5513,
20.1888

35.5035, 48.2994,
61.9997

5.0266, 8.5051,
12.3469

49.8399, 66.0332,
83.4268

2.2978, 4.4198,
6.8550

67.5939, 87.6500,
109.2966

0.7935, 1.9111,
3.2945

89.1309, 113.5340,
140.0277

0.0000, 0.5550,
1.2469

114.8161,
144.0698, 176.0384

0.0000, 0.0000,
0.0177

145.0151,

0.0000, 0.0000,

179.6416, 217.7475

0.0000

180.0930,
220.6339, 265.5734

■ 15.6220, 22.9428,
30.7992

■ 15.6220, 22.9428,
30.7992

■ 15.6225, 22.9435,
30.7997

■ 15.8227, 23.0459,
30.8498

■ 16.1566, 23.2171,
30.9062

■ 16.6896, 23.4910,
30.9719

■ 17.4465, 23.8803,
31.0481

■ 18.4486, 24.3959,
31.1358

■ 19.7145, 25.0477,
31.2359

■ 21.2613, 25.8442,
31.3492

■ 23.1045, 26.7935,
31.4764

■ 25.2585, 27.9030,
31.6182

Harmonies

Analogous

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



15.6031, 22.9428, 20.1636



15.6220, 22.9428, 30.7992



17.1658, 22.9428, 42.5359

Triad

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



15.6220, 22.9428, 30.7992



27.2909, 22.9428, 42.2731



23.6601, 22.9428, 9.9617

Complementary

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



15.6220, 22.9428, 30.7992



12.0388, 6.2059, 0.5926

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.



27.2161, 22.9428, 13.0740



15.6220, 22.9428, 30.7992



29.4682, 22.9428, 30.5100

Square

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



15.6220, 22.9428, 30.7992



23.7532, 22.9428, 50.3342



29.4394, 22.9428, 19.9456



19.9690, 22.9428, 9.9984

Rectangle

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



15.6220, 22.9428, 30.7992



18.9643, 22.9428, 48.5532



29.4394, 22.9428, 19.9456



24.9193, 22.9428, 10.6246

Sweetspot

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



15.6227, 22.9437, 30.7998



37.8854, 46.1842, 56.1267



10.4651, 20.8841, 3.4800



8.3950, 10.4124, 12.7942



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.



15.6227, 22.9437, 30.7998



27.9739, 41.0861, 55.1410



7.8485, 7.2700, 28.5944



5.9624, 6.5616, 7.4131



13.5438, 19.8903, 26.7029



0.1662, 0.2436, 0.3292

Inverse Universe

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



12.0388, 6.2059, 0.5926



21.5559, 11.1117, 1.0461



14.2902, 10.7174, 1.3160



5.8023, 5.8160, 6.0651



10.4368, 5.3798, 0.5153



0.1281, 0.0660, 0.0080

Previews

White Background



This preview shows how the XYZ color 15.6220, 22.9428, 30.7992 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 15.6220, 22.9428, 30.7992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

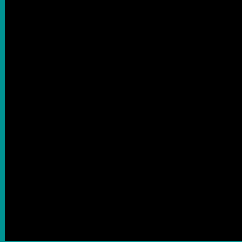
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6220, 22.9428, 30.7992

Background



This preview shows how black text looks on a background with the XYZ color 15.6220, 22.9428, 30.7992.

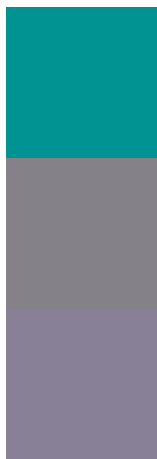


This preview shows how white text looks on a background with the XYZ color 15.6220, 22.9428,

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

15.6220, 22.9428, 30.7992

Protanopia

21.9423, 22.6484, 26.5076

Deuteranopia

23.2159, 22.7912, 32.0297



Tritanopia

16.6901, 22.9320, 35.4449

Trichromacy



Original Color

15.6220, 22.9428, 30.7992

Protanomaly

17.1939, 21.3866, 28.0328

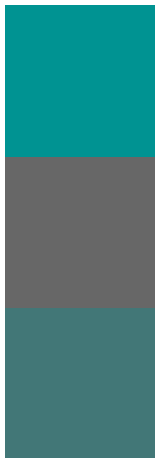
Deuteranomaly

17.9265, 21.4763, 31.6343

Tritanomaly

16.2781, 22.9863, 33.7158

Monochromacy



Original Color

15.6220, 22.9428, 30.7992

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 15.6220, 22.9428, 30.7992 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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, 147, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 146) }
```

Border

The CSS property to change the border of an element to XYZ 15.6220, 22.9428, 30.7992 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, 146) }
```


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

```
.border{ border-color:rgb(0, 147, 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, 147, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6220, 22.9428, 30.7992 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, 146) }
```

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

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