

Converting Colors

XYZ(5.8976, 17.0123, 30.9994)

Have a look what the booklet for
XYZ(5.8976, 17.0123, 30.9994)
contains.

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Color

**XYZ(15.1678, 21.7830,
31.4221)**

Conversions

Conversions Part 1

Format	Color
Hex	008F94
RGB	0, 143, 148
RGB Percent	0%, 56%, 58%
CMY	0.9999, 0.4392, 0.4196
CMYK	1.00, 0.03, 0.00, 0.42
HSL	182°, 100%, 29%
HSV	182°, 100%, 58%
XYZ	15.1678, 21.7830, 31.4221
YIQ	100.8130, -86.8330, -28.7610

Conversions

Conversions Part 2

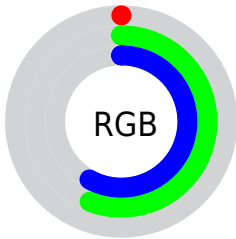
Format	Color
RYB	0, 73, 148
Decimal	36756
CIELab	53.80, -29.64, -11.83
CIELCh	54, 31.913, 201.756
Yxy	21.7830, 0.2218, 0.3186
Android (android.graphics.Color)	4278226836 (0xFF008F94)
YUV	100.8130, 23.2632, -88.4130
Hunter-Lab	46.6723, -23.6666, -7.2464

Details

The XYZ color **15.1678, 21.7830, 31.4221** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.2677, 6.4052, 0.5906**, and the grayscale version is **12.2819, 12.9215, 14.0715**.

A 20% lighter version of the original color is **34.6514, 46.2715, 62.9821**, and **5.9848, 8.5174, 12.6378** is the 20% darker color. If you saturate the color by 10%, you get **15.1680, 21.7833, 31.4226**, and if you desaturate by 10%, it is **15.4376, 22.0342, 31.4568**.

Distribution



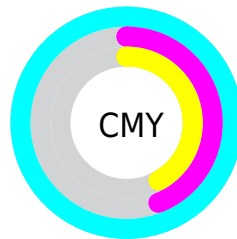
- Red (0%)
- Green (56%)
- Blue (58%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1678, 21.7830, 31.4221 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 15.1678, 21.7830, 31.4221 by changing the saturation by 10% instead.

15.1678, 21.7830,
31.4221

15.1678, 21.7830,
31.4221

217.7479,
261.4109, 322.8895

9.0243, 13.6975,
20.6593

34.7165, 46.3871,
62.9914

4.8143, 7.9106,
12.6864

48.8525, 63.6745,
84.6349

2.1723, 4.0378,
7.0848

66.3833, 84.7980,
110.7425

0.7281, 1.6947,
3.4359

87.6744, 110.1420,
141.7326

0.0000, 0.4202,
1.3213

113.0910,
140.0909, 178.0239

0.0000, 0.0000,
0.0791

142.9986,

0.0000, 0.0000,

175.0291, 220.0347

0.0000

177.7624,
215.3410, 268.1837

■ 15.1678, 21.7830,
31.4221

■ 15.1678, 21.7830,
31.4221

■ 15.1680, 21.7833,
31.4226

■ 15.4376, 22.0342,
31.4568

■ 15.8436, 22.3557,
31.4974

■ 16.4521, 22.7821,
31.5477

■ 17.2883, 23.3264,
31.6086

■ 18.3740, 23.9997,
31.6814

■ 19.7281, 24.8119,
31.7668

■ 21.3679, 25.7720,
31.8657

■ 23.3091, 26.8879,
31.9788

■ 25.5666, 28.1674,
32.1067

Harmonies

Analogous

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



14.8441, 21.7830, 21.1139



15.1678, 21.7830, 31.4221



16.8876, 21.7830, 41.8387

Triad

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



15.1678, 21.7830, 31.4221



26.3218, 21.7830, 37.4208



21.6633, 21.7830, 9.5159

Complementary

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



15.1678, 21.7830, 31.4221



12.2677, 6.4052, 0.5906

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.



25.0562, 21.7830, 11.7705



15.1678, 21.7830, 31.4221



27.9332, 21.7830, 26.5278

Square

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



15.1678, 21.7830, 31.4221



23.2435, 21.7830, 45.9144



27.4462, 21.7830, 17.3888



18.3567, 21.7830, 10.1547

Rectangle

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



15.1678, 21.7830, 31.4221



18.7092, 21.7830, 46.5315



27.4462, 21.7830, 17.3888



22.8360, 21.7830, 9.9317

Sweetspot

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



15.1685, 21.7838, 31.4226



37.5078, 45.3601, 56.2131



10.6176, 21.1912, 3.6732



8.2981, 10.2009, 12.8164



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.



15.1685, 21.7838, 31.4226



26.7363, 38.3822, 55.4339



7.4790, 6.4048, 28.8595



5.9475, 6.5290, 7.4165



12.9598, 18.6145, 26.8409



0.1629, 0.2363, 0.3299

Inverse Universe

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



17.1713, 8.2799, 26.6805



30.2834, 14.6027, 47.0045



15.0053, 11.8805, 1.5031



6.0269, 5.9058, 7.2480



14.6686, 7.0725, 22.7996



0.1817, 0.0874, 0.2903

Previews

White Background



This preview shows how the XYZ color 15.1678, 21.7830, 31.4221 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 15.1678, 21.7830, 31.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

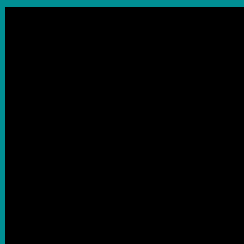
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

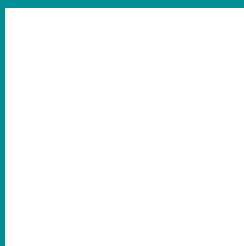
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1678, 21.7830, 31.4221

Background



This preview shows how black text looks on a background with the XYZ color 15.1678, 21.7830, 31.4221.



This preview shows how white text looks on a background with the XYZ color 15.1678, 21.7830,

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

15.1678, 21.7830, 31.4221

Protanopia

20.9292, 21.5257, 27.0966

Deuteranopia

22.0544, 21.6014, 32.7129



Tritanopia

15.7942, 21.8278, 33.9526

Trichromacy



Original Color

15.1678, 21.7830, 31.4221

Protanomaly

16.6634, 20.4774, 28.6655

Deuteranomaly

17.3169, 20.5307, 32.3283

Tritanomaly

15.5065, 21.6986, 33.0767

Monochromacy



Original Color

15.1678, 21.7830, 31.4221

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.6298, 14.8888, 19.4004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1678, 21.7830, 31.4221 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, 143, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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, 143, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.1678, 21.7830, 31.4221 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, 143, 148) }
```


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

```
.border{ border-color:rgb(0, 143, 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, 143, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1678, 21.7830, 31.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 148) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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