

Converting Colors

XYZ(17.3603, 31.1011, 36.8058)

Have a look what the booklet for
XYZ(17.3603, 31.1011, 36.8058)
contains.

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Color

**XYZ(21.4158, 33.0943,
37.1574)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF9D
RGB	0, 175, 157
RGB Percent	0%, 69%, 62%
CMY	0.9999, 0.3137, 0.3843
CMYK	1.00, 0.00, 0.10, 0.31
HSL	174°, 100%, 34%
HSV	174°, 100%, 69%
XYZ	21.4158, 33.0943, 37.1574
YIQ	120.6230, -98.5220, -42.6980

Conversions

Conversions Part 2

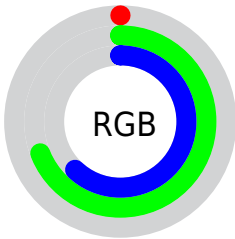
Format	Color
RYB	0, 92, 175
Decimal	44957
CIELab	64.24, -41.60, -1.42
CIELCh	64, 41.621, 181.959
Yxy	33.0943, 0.2336, 0.3610
Android (android.graphics.Color)	4278235037 (0xFF00AF9D)
YUV	120.6230, 17.9339, -105.7864
Hunter-Lab	57.5276, -34.2232, 1.9736

Details

The XYZ color **21.4158, 33.0943, 37.1574** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7895, 9.1586, 1.4036**, and the grayscale version is **18.0222, 18.9607, 20.6482**.

A 20% lighter version of the original color is **45.1577, 64.3418, 71.6672**, and **9.4389, 14.7154, 15.9785** is the 20% darker color. If you saturate the color by 10%, you get **21.4162, 33.0953, 37.1569**, and if you desaturate by 10%, it is **21.8120, 33.2814, 37.9851**.

Distribution



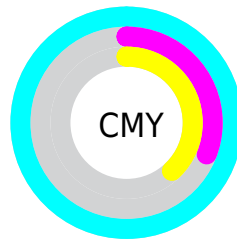
- Red (0%)
- Green (69%)
- Blue (62%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4158, 33.0943, 37.1574 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 21.4158, 33.0943, 37.1574 by changing the saturation by 10% instead.

■ 21.4158, 33.0943,
37.1574

■ 21.4158, 33.0943,
37.1574

252.1702,
316.0744, 349.1807

■ 13.5425, 22.1987,
25.0326

■ 45.2646, 64.5227,
72.0038

■ 7.8827, 14.0030,
15.8821

■ 61.9708, 85.8243,
95.5626

■ 4.0712, 8.1227,
9.2873

■ 82.3520, 111.3634,
123.7697

■ 1.7425, 4.1736,
4.8297

■ 106.7735,
141.5243, 157.0439

■ 0.4826, 1.7711,
2.0907

■ 135.6007,
176.6915, 195.8035

■ 0.0000, 0.4691,
0.6102

■ 169.1990,

■ 0.0000, 0.0000,

217.2493, 240.4671

0.0000

207.9337,
263.5822, 291.4533

■ 21.4158, 33.0943,
37.1574

■ 21.4158, 33.0943,
37.1574

■ 21.4162, 33.0953,
37.1569

■ 21.8120, 33.2814,
37.9851

■ 22.4225, 33.5780,
38.8340

■ 23.3314, 34.0281,
39.7087

■ 24.5775, 34.6518,
40.6113

■ 26.1937, 35.4661,
41.5431

■ 28.2091, 36.4858,
42.5057

■ 30.6499, 37.7246,
43.5004

■ 33.5399, 39.1947,
44.5282

■ 36.9013, 40.9075,
45.5903

Harmonies

Analogous

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



22.4589, 33.0943, 22.8052



21.4158, 33.0943, 37.1574



22.7704, 33.0943, 56.1363

Triad

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



21.4158, 33.0943, 37.1574



37.8572, 33.0943, 71.2708



37.1015, 33.0943, 14.2762

Complementary

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



21.4158, 33.0943, 37.1574



17.7895, 9.1586, 1.4036

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.



42.1074, 33.0943, 21.4148



21.4158, 33.0943, 37.1574



42.5807, 33.0943, 53.5879

Square

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



21.4158, 33.0943, 37.1574



31.8450, 33.0943, 79.2919



44.2246, 33.0943, 34.9336



31.0685, 33.0943, 12.3235

Rectangle

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



21.4158, 33.0943, 37.1574



24.9632, 33.0943, 68.1975



44.2246, 33.0943, 34.9336



38.9850, 33.0943, 16.0094

Sweetspot

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



21.4168, 33.0956, 37.1582



54.6378, 67.4324, 77.8083



15.6282, 30.8145, 5.1249



11.7252, 14.7750, 17.1289



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.4168, 33.0956, 37.1582



38.3068, 59.2514, 66.2942



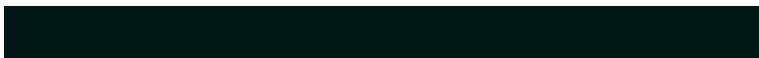
13.0935, 13.8055, 42.5335



8.2003, 9.0577, 10.0797



15.3495, 23.7051, 26.6778



0.4370, 0.6634, 0.7947

Inverse Universe

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



17.7895, 9.1586, 1.4036



31.8210, 16.3860, 2.3147



19.6931, 13.1406, 1.4992



8.0375, 8.0282, 8.5082



12.7503, 6.5627, 1.0647



0.3651, 0.1867, 0.0846

Previews

White Background



This preview shows how the XYZ color 21.4158, 33.0943, 37.1574 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.4158, 33.0943, 37.1574 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 ✓ Pass

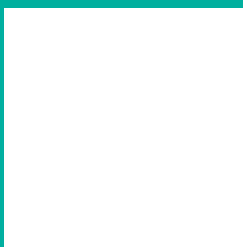
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4158, 33.0943, 37.1574

Background



This preview shows how black text looks on a background with the XYZ color 21.4158, 33.0943, 37.1574.

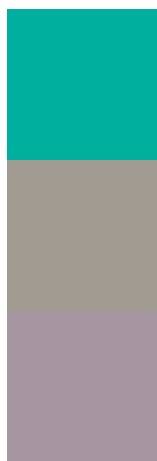


This preview shows how white text looks on a background with the XYZ color 21.4158, 33.0943,

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

21.4158, 33.0943, 37.1574

Protanopia

31.1636, 32.6291, 31.4436

Deuteranopia

33.1538, 32.5283, 38.7136



Tritanopia

24.4021, 33.1865, 51.0185

Trichromacy



Original Color

21.4158, 33.0943, 37.1574



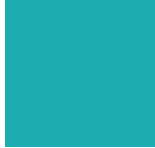
Protanomaly

23.8246, 30.8354, 33.1299



Deuteranomaly

24.6872, 30.3985, 37.8241



Tritanomaly

22.9971, 32.8614, 45.6883

Monochromacy



Original Color

21.4158, 33.0943, 37.1574



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.8885, 22.3488, 25.9779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4158, 33.0943, 37.1574 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, 175, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 157)  
}
```

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, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.4158, 33.0943, 37.1574 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, 175, 157) }
```


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

```
.border{ border-color:rgb(0, 175, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4158, 33.0943, 37.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 157) }
```

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

```
.background{ background-color: rgb(0, 175,  
157) }
```

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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