

Converting Colors

XYZ(8.4639, 26.2622, 38.5141)

Have a look what the booklet for
XYZ(8.4639, 26.2622, 38.5141)
contains.

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Color

**XYZ(21.7630, 33.2332,
38.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFA1
RGB	0, 175, 161
RGB Percent	0%, 69%, 63%
CMY	0.9999, 0.3137, 0.3686
CMYK	1.00, 0.00, 0.08, 0.31
HSL	175°, 100%, 34%
HSV	175°, 100%, 69%
XYZ	21.7630, 33.2332, 38.9858
YIQ	121.0790, -99.8060, -41.4540

Conversions

Conversions Part 2

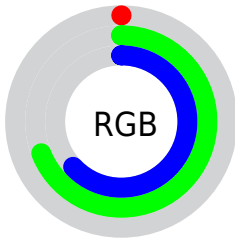
Format	Color
RYB	0, 91, 175
Decimal	44961
CIELab	64.35, -40.44, -3.49
CIELCh	64, 40.594, 184.925
Yxy	33.2332, 0.2316, 0.3536
Android (android.graphics.Color)	4278235041 (0xFF00AFA1)
YUV	121.0790, 19.6811, -106.1863
Hunter-Lab	57.6482, -33.4982, 0.2577

Details

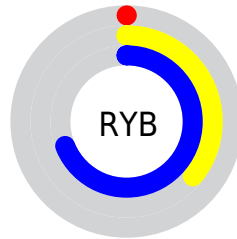
The XYZ color **21.7630, 33.2332, 38.9858** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7596, 9.1466, 1.2459**, and the grayscale version is **18.1639, 19.1098, 20.8106**.

A 20% lighter version of the original color is **45.7945, 64.5965, 75.0205**, and **9.7740, 15.0449, 17.1407** is the 20% darker color. If you saturate the color by 10%, you get **21.7635, 33.2342, 38.9856**, and if you desaturate by 10%, it is **22.1286, 33.4081, 39.6520**.

Distribution



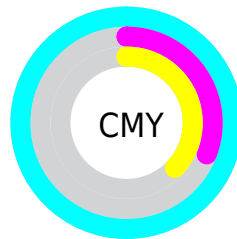
- Red (0%)
- Green (69%)
- Blue (63%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7630, 33.2332, 38.9858 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 21.7630, 33.2332, 38.9858 by changing the saturation by 10% instead.


 21.7630, 33.2332,
38.9858

 21.7630, 33.2332,
38.9858


253.9618,
316.6992, 357.2543


 13.7985, 22.3052,
26.4409


 45.8358, 64.7394,
74.8367


 8.0614, 14.0813,
16.9251


 62.6747, 86.0864,
98.9799


 4.1864, 8.1772,
10.0197


 83.2025, 111.6752,
127.8262

 1.8081, 4.2086,
5.3062

 107.7845,
141.8901, 161.7942

 0.5226, 1.7909,
2.3662

 136.7861,
177.1155, 201.3025

 0.0000, 0.4815,
0.7679

 170.5726,

 0.0000, 0.0000,

217.7360, 246.7696

0.0000

209.5094,
264.1357, 298.6140

■ 21.7630, 33.2332,
38.9858

■ 21.7630, 33.2332,
38.9858

■ 21.7635, 33.2342,
38.9856

■ 22.1286, 33.4081,
39.6520

■ 22.7075, 33.6920,
40.3347

■ 23.5839, 34.1291,
41.0385

■ 24.7966, 34.7395,
41.7654

■ 26.3786, 35.5400,
42.5169

■ 28.3588, 36.5457,
43.2943

■ 30.7635, 37.7700,
44.0990

■ 33.6165, 39.2253,
44.9321

■ 36.9399, 40.9230,
45.7945

Harmonies

Analogous

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



22.5570, 33.2332, 24.3091



21.7630, 33.2332, 38.9858



23.3276, 33.2332, 57.6230

Triad

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



21.7630, 33.2332, 38.9858



38.3824, 33.2332, 69.0342



36.5320, 33.2332, 14.3437

Complementary

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



21.7630, 33.2332, 38.9858



17.7596, 9.1466, 1.2459

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.



41.5971, 33.2332, 20.8581



21.7630, 33.2332, 38.9858



42.7534, 33.2332, 51.4098

Square

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



21.7630, 33.2332, 38.9858



32.5504, 33.2332, 78.0309



43.9959, 33.2332, 33.5222



30.6431, 33.2332, 12.8448

Rectangle

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



21.7630, 33.2332, 38.9858



25.6248, 33.2332, 68.9612



43.9959, 33.2332, 33.5222



38.4094, 33.2332, 15.8960

Sweetspot

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



21.7640, 33.2345, 38.9866



54.8449, 67.5152, 78.8988



15.5213, 30.7594, 5.1198



11.7772, 14.7958, 17.4027



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.



21.7640, 33.2345, 38.9866



38.9380, 59.5039, 69.6182



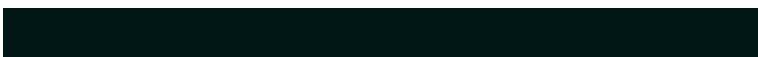
12.4992, 12.6170, 42.3354



8.2083, 9.0609, 10.1217



15.5956, 23.8035, 27.9737



0.4418, 0.6654, 0.8201

Inverse Universe

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



17.7596, 9.1466, 1.2459



31.7733, 16.3670, 2.0637



20.0581, 13.8706, 1.6209



8.0303, 8.0254, 8.4703



12.7273, 6.5534, 0.9432



0.3623, 0.1856, 0.0695

Previews

White Background



This preview shows how the XYZ color 21.7630, 33.2332, 38.9858 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 21.7630, 33.2332, 38.9858 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

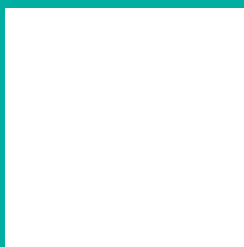
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7630, 33.2332, 38.9858

Background



This preview shows how black text looks on a background with the XYZ color 21.7630, 33.2332, 38.9858.

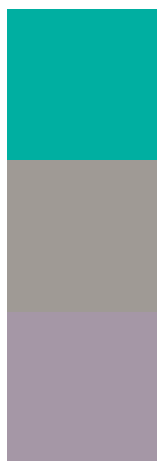


This preview shows how white text looks on a background with the XYZ color 21.7630, 33.2332,

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

21.7630, 33.2332, 38.9858

Protanopia

31.2785, 32.6521, 33.0877

Deuteranopia

33.4666, 32.8857, 40.6601



Tritanopia

24.2747, 33.1208, 51.0125

Trichromacy



Original Color

21.7630, 33.2332, 38.9858



Protanomaly

24.0369, 30.9073, 34.8358



Deuteranomaly

25.0973, 30.8252, 39.7490



Tritanomaly

23.0410, 32.8726, 46.2050

Monochromacy



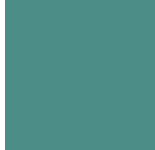
Original Color

21.7630, 33.2332, 38.9858



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.0294, 22.4051, 26.7196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7630, 33.2332, 38.9858 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.7630, 33.2332, 38.9858 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, 161) }
```


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

```
.border{ border-color:rgb(0, 175, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7630, 33.2332, 38.9858 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, 161) }
```

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

```
.background{ background-color: rgb(0, 175,  
161) }
```

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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