

Converting Colors

XYZ(22.6362, 33.8793, 42.6690)

Have a look what the booklet for
XYZ(22.6362, 33.8793, 42.6690)
contains.

XYZ(22.6868, 33.9152, 42.8867)	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(22.6868, 33.9152,
42.8867)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0A9
RGB	0, 176, 169
RGB Percent	0%, 69%, 66%
CMY	0.9999, 0.3098, 0.3372
CMYK	1.00, 0.00, 0.04, 0.31
HSL	178°, 100%, 35%
HSV	178°, 100%, 69%
XYZ	22.6868, 33.9152, 42.8867
YIQ	122.5780, -102.6490, -39.4890

Conversions

Conversions Part 2

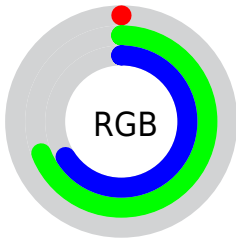
Format	Color
RYB	0, 90, 176
Decimal	45225
CIELab	64.90, -38.53, -7.13
CIELCh	65, 39.184, 190.486
Yxy	33.9152, 0.2280, 0.3409
Android (android.graphics.Color)	4278235305 (0xFF00B0A9)
YUV	122.5780, 22.8860, -107.5009
Hunter-Lab	58.2368, -32.3776, -2.8966

Details

The XYZ color **22.6868, 33.9152, 42.8867** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.9440, 9.2466, 1.0411**, and the grayscale version is **18.6431, 19.6140, 21.3597**.

A 20% lighter version of the original color is **47.2409, 65.6364, 80.7003**, and **10.2938, 15.4503, 19.2693** is the 20% darker color. If you saturate the color by 10%, you get **22.6872, 33.9162, 42.8868**, and if you desaturate by 10%, it is **22.9960, 34.0677, 43.2461**.

Distribution



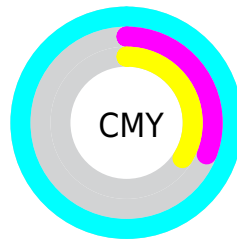
- Red (0%)
- Green (69%)
- Blue (66%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6868, 33.9152, 42.8867 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 22.6868, 33.9152, 42.8867 by changing the saturation by 10% instead.

■ 22.6868, 33.9152,
42.8867

■ 22.6868, 33.9152,
42.8867

■ 258.6777,
319.7538, 374.0531

■ 14.4818, 22.8285,
29.4655

■ 47.3490, 65.8018,
80.8244

■ 8.5405, 14.4669,
19.1846

■ 64.5369, 87.3704,
106.1779

■ 4.4974, 8.4461,
11.6256

■ 85.4499, 113.2018,
136.3460

■ 1.9872, 4.3817,
6.3699

■ 110.4533,
143.6803, 171.7471

■ 0.6268, 1.8893,
2.9989

■ 139.9124,
179.1904, 212.7999

■ 0.0000, 0.5419,
1.0940

■ 174.1926,

■ 0.0000, 0.0000,

220.1164, 259.9228

0.0000

213.6592,
266.8427, 313.5343

■ 22.6868, 33.9152,
42.8867

■ 22.6868, 33.9152,
42.8867

■ 22.6872, 33.9162,
42.8868

■ 22.9960, 34.0677,
43.2461

■ 23.5208, 34.3306,
43.6166

■ 24.3459, 34.7482,
44.0030

■ 25.5106, 35.3410,
44.4072

■ 27.0486, 36.1260,
44.8307

■ 28.9891, 37.1186,
45.2749

■ 31.3588, 38.3323,
45.7410

■ 34.1817, 39.7797,
46.2302

■ 37.4804, 41.4723,
46.7435

Harmonies

Analogous

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



23.0389, 33.9152, 27.4767



22.6868, 33.9152, 42.8867



24.6564, 33.9152, 61.0450

Triad

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



22.6868, 33.9152, 42.8867



39.8184, 33.9152, 66.0173



36.0035, 33.9152, 14.6747

Complementary

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



22.6868, 33.9152, 42.8867



17.9440, 9.2466, 1.0411

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.



41.2273, 33.9152, 20.1825



22.6868, 33.9152, 42.8867



43.6018, 33.9152, 48.3304

Square

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



22.6868, 33.9152, 42.8867



34.2539, 33.9152, 76.7639



44.1455, 33.9152, 31.5483



30.2978, 33.9152, 14.0000

Rectangle

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



22.6868, 33.9152, 42.8867



27.1726, 33.9152, 71.1737



44.1455, 33.9152, 31.5483



37.8909, 33.9152, 15.9254

Sweetspot

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



22.6878, 33.9165, 42.8875



56.6175, 69.3893, 82.9094



15.6366, 31.1087, 5.1815



11.8700, 14.8329, 17.8916



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.



22.6878, 33.9165, 42.8875



41.1251, 61.5026, 77.6703



12.0950, 11.6506, 42.6869



8.7278, 9.6256, 10.8260



16.6508, 24.8863, 31.4938



0.5284, 0.7848, 1.0145

Inverse Universe

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



17.9440, 9.2466, 1.0411



32.5229, 16.7604, 1.7831



20.7172, 14.8543, 1.7763



8.5096, 8.5106, 8.9160



13.1702, 6.7856, 0.7904



0.4189, 0.2153, 0.0486

Previews

White Background



This preview shows how the XYZ color 22.6868, 33.9152, 42.8867 looks on a white background.

Color Contrast Check

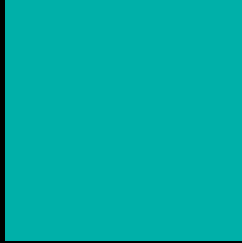
Large Text (above 18pt) WCAG AA × Fail

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 22.6868, 33.9152, 42.8867 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

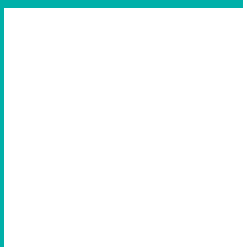
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6868, 33.9152, 42.8867

Background



This preview shows how black text looks on a background with the XYZ color 22.6868, 33.9152, 42.8867.

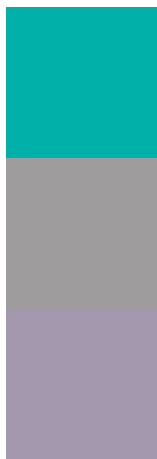


This preview shows how white text looks on a background with the XYZ color 22.6868, 33.9152,

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

22.6868, 33.9152, 42.8867

Protanopia

32.2723, 33.5822, 36.6794

Deuteranopia

33.9725, 33.2990, 44.6812



Tritanopia

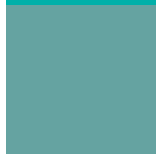
24.7125, 33.8871, 52.2521

Trichromacy



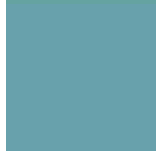
Original Color

22.6868, 33.9152, 42.8867



Protanomaly

24.8970, 31.5343, 38.4927



Deuteranomaly

25.9002, 31.4114, 43.7276



Tritanomaly

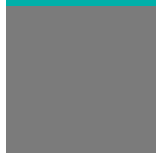
23.7510, 33.7616, 48.4448

Monochromacy



Original Color

22.6868, 33.9152, 42.8867



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.5485, 22.8592, 28.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6868, 33.9152, 42.8867 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, 176, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 169)  
}
```

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, 176, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 169) }
```

Border

The CSS property to change the border of an element to XYZ 22.6868, 33.9152, 42.8867 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, 176, 169) }
```


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

```
.border{ border-color:rgb(0, 176, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6868, 33.9152, 42.8867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 169) }
```

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

```
.background{ background-color: rgb(0, 176,  
169) }
```

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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