

Converting Colors

XYZ(18.5195, 34.4704, 35.7017)

Have a look what the booklet for
XYZ(18.5195, 34.4704, 35.7017)
contains.

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Color

**XYZ(22.8903, 36.5809,
35.9914)**

Conversions

Conversions Part 1

Format	Color
Hex	00B899
RGB	0, 184, 153
RGB Percent	0%, 72%, 60%
CMY	0.9999, 0.2784, 0.4000
CMYK	1.00, 0.00, 0.17, 0.28
HSL	170°, 100%, 36%
HSV	170°, 100%, 72%
XYZ	22.8903, 36.5809, 35.9914
YIQ	125.4500, -99.7130, -48.6490

Conversions

Conversions Part 2

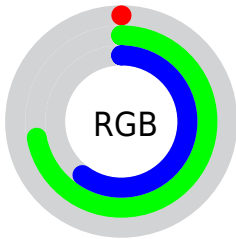
Format	Color
RYB	0, 100, 184
Decimal	47257
CIELab	66.96, -46.51, 4.75
CIELCh	67, 46.753, 174.167
Yxy	36.5809, 0.2398, 0.3832
Android (android.graphics.Color)	4278237337 (0xFF00B899)
YUV	125.4500, 13.5822, -110.0196
Hunter-Lab	60.4821, -38.2880, 7.0555

Details

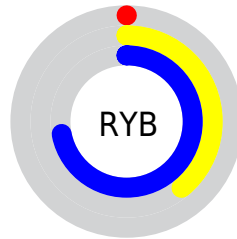
The XYZ color **22.8903, 36.5809, 35.9914** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.0159, 10.2904, 2.2296**, and the grayscale version is **19.6276, 20.6498, 22.4876**.

A 20% lighter version of the original color is **47.6475, 69.9570, 70.0232**, and **10.3809, 16.9246, 15.2900** is the 20% darker color. If you saturate the color by 10%, you get **22.8906, 36.5820, 35.9902**, and if you desaturate by 10%, it is **23.4080, 36.8187, 37.3709**.

Distribution



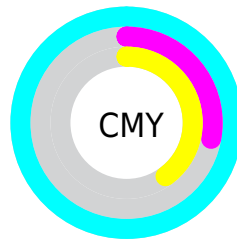
- Red (0%)
- Green (72%)
- Blue (60%)



- Red (0%)
- Yellow (39%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8903, 36.5809, 35.9914 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 22.8903, 36.5809, 35.9914 by changing the saturation by 10% instead.

■ 22.8903, 36.5809,
35.9914

■ 22.8903, 36.5809,
35.9914

259.7069,
331.4925, 343.9592

■ 14.6328, 24.8832,
24.1379

■ 47.6811, 69.9277,
70.1877

■ 8.6467, 15.9900,
15.2228

■ 64.9451, 92.3456,
93.3676

■ 4.5667, 9.5171,
8.8276

■ 85.9420, 119.1057,
121.1600

■ 2.0275, 5.0800,
4.5336

■ 111.0371,
150.5923, 153.9835

■ 0.6493, 2.2943,
1.9224

■ 140.5958,
187.1899, 192.2566

■ 0.0000, 0.7707,
0.5069

■ 174.9834,

■ 0.0000, 0.0000,

229.2829, 236.3980

0.0000

214.5654,
277.2556, 286.8260

■ 22.8903, 36.5809,
35.9914

■ 22.8903, 36.5809,
35.9914

■ 22.8906, 36.5820,
35.9902

■ 23.4080, 36.8187,
37.3709

■ 24.1735, 37.1826,
38.7961

■ 25.2778, 37.7203,
40.2724

■ 26.7650, 38.4547,
41.8022

■ 28.6726, 39.4050,
43.3874

■ 31.0335, 40.5882,
45.0298

■ 33.8774, 42.0195,
46.7311

■ 37.2314, 43.7131,
48.4928

■ 41.1205, 45.6816,
50.3162

Harmonies

Analogous

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



24.8433, 36.5809, 21.0617



22.8903, 36.5809, 35.9914



23.7520, 36.5809, 58.0551

Triad

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



22.8903, 36.5809, 35.9914



40.6563, 36.5809, 87.1466



43.3794, 36.5809, 15.8158

Complementary

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



22.8903, 36.5809, 35.9914



20.0159, 10.2904, 2.2296

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.



48.7544, 36.5809, 25.8850



22.8903, 36.5809, 35.9914



47.0386, 36.5809, 67.3494

Square

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



22.8903, 36.5809, 35.9914



33.4014, 36.5809, 92.6883



50.1770, 36.5809, 43.9331



36.1735, 36.5809, 12.2407

Rectangle

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



22.8903, 36.5809, 35.9914



25.8755, 36.5809, 73.7109



50.1770, 36.5809, 43.9331



45.4975, 36.5809, 18.3446

Sweetspot

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



22.8913, 36.5823, 35.9923



61.1213, 76.0238, 84.5480



17.7929, 34.6182, 5.7450



12.6922, 16.1452, 17.9464



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.8913, 36.5823, 35.9923



41.4165, 66.2816, 64.8317



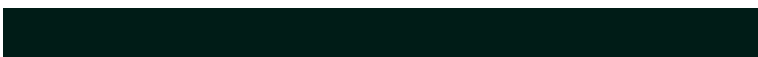
16.0805, 18.3173, 48.0370



9.1999, 10.1839, 11.2102



15.7981, 25.2202, 24.9224



0.5744, 0.8960, 0.9704

Inverse Universe

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



20.0159, 10.2904, 2.2296



36.2231, 18.6287, 3.7291



21.2955, 13.2458, 1.4351



9.0647, 9.0363, 9.6882



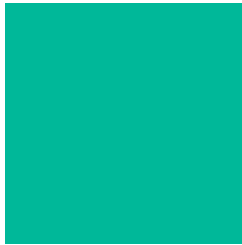
13.8122, 7.0986, 1.6319



0.5062, 0.2579, 0.1588

Previews

White Background



This preview shows how the XYZ color 22.8903, 36.5809, 35.9914 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 22.8903, 36.5809, 35.9914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

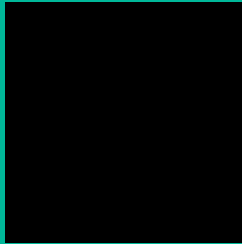
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.8903, 36.5809, 35.9914

Background



This preview shows how black text looks on a background with the XYZ color 22.8903, 36.5809, 35.9914.

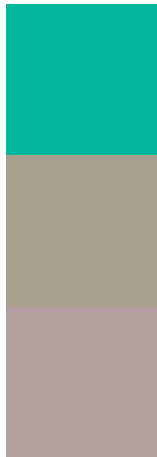


This preview shows how white text looks on a background with the XYZ color 22.8903, 36.5809,

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

22.8903, 36.5809, 35.9914

Protanopia

33.9148, 35.8478, 30.3311

Deuteranopia

36.6751, 36.0821, 37.8324



Tritanopia

27.0142, 36.4479, 56.0634

Trichromacy



Original Color

22.8903, 36.5809, 35.9914



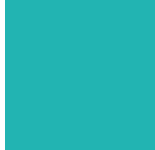
Protanomaly

25.4831, 33.6084, 31.9320



Deuteranomaly

26.7146, 33.5825, 36.9723



Tritanomaly

25.0168, 36.1970, 47.7877

Monochromacy



Original Color

22.8903, 36.5809, 35.9914



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.9603, 24.0125, 26.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8903, 36.5809, 35.9914 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, 184, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 153)  
}
```

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, 184, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 153) }
```

Border

The CSS property to change the border of an element to XYZ 22.8903, 36.5809, 35.9914 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, 184, 153) }
```


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

```
.border{ border-color:rgb(0, 184, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8903, 36.5809, 35.9914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 153) }
```

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

```
.background{ background-color: rgb(0, 184,  
153) }
```

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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