

Converting Colors

XYZ(12.5315, 32.2134, 28.6824)

Have a look what the booklet for
XYZ(12.5315, 32.2134, 28.6824)
contains.

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Color

**XYZ(22.2143, 37.3182,
29.3249)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB88
RGB	0, 187, 136
RGB Percent	0%, 73%, 53%
CMY	0.9999, 0.2667, 0.4667
CMYK	1.00, 0.00, 0.27, 0.27
HSL	164°, 100%, 37%
HSV	164°, 100%, 73%
XYZ	22.2143, 37.3182, 29.3249
YIQ	125.2730, -95.0810, -55.5050

Conversions

Conversions Part 2

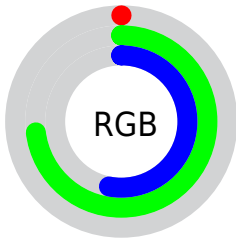
Format	Color
RYB	0, 108, 187
Decimal	48008
CIELab	67.52, -51.99, 14.83
CIELCh	68, 54.065, 164.076
Yxy	37.3182, 0.2500, 0.4200
Android (android.graphics.Color)	4278238088 (0xFF00BB88)
YUV	125.2730, 5.2884, -109.8644
Hunter-Lab	61.0886, -41.9953, 14.3005

Details

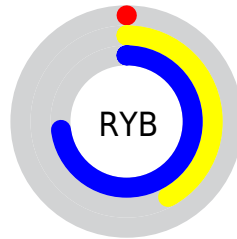
The XYZ color **22.2143, 37.3182, 29.3249** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.0926, 10.8049, 4.1087**, and the grayscale version is **19.5935, 20.6139, 22.4486**.

A 20% lighter version of the original color is **46.4658, 70.9169, 59.3834**, and **9.9310, 17.1744, 11.5957** is the 20% darker color. If you saturate the color by 10%, you get **22.2145, 37.3193, 29.3233**, and if you desaturate by 10%, it is **22.8495, 37.6037, 31.2933**.

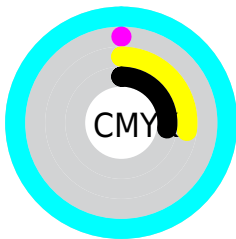
Distribution



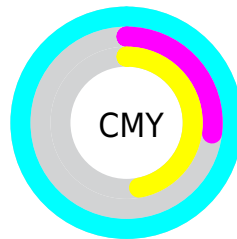
- Red (0%)
- Green (73%)
- Blue (53%)



- Red (0%)
- Yellow (42%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2143, 37.3182, 29.3249 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 22.2143, 37.3182, 29.3249 by changing the saturation by 10% instead.

■ 22.2143, 37.3182,
29.3249

■ 22.2143, 37.3182,
29.3249

256.2747,
334.6861, 312.8536

■ 14.1319, 25.4540,
19.0791

■ 46.5762, 71.0619,
59.6412

■ 8.2948, 16.4156,
11.5500

■ 63.5864, 93.7102,
80.5488

■ 4.3375, 9.8187,
6.3193

■ 84.3032, 120.7219,
105.8473

■ 1.8948, 5.2789,
2.9683

■ 109.0921,
152.4814, 135.9554

■ 0.5738, 2.4118,
1.0785

■ 138.3183,
189.3732, 171.2915

■ 0.0000, 0.8320,
0.0000

■ 172.3473,

■ 0.0000, 0.0000,

231.7817, 212.2742

0.0000

211.5443,
280.0912, 259.3221

■ 22.2143, 37.3182,
29.3249

■ 22.2143, 37.3182,
29.3249

■ 22.2145, 37.3193,
29.3233

■ 22.8495, 37.6037,
31.2933

■ 23.7534, 38.0248,
33.3647

■ 25.0195, 38.6305,
35.5456

■ 26.6940, 39.4447,
37.8392

■ 28.8162, 40.4876,
40.2486

■ 31.4205, 41.7769,
42.7764

■ 34.5379, 43.3286,
45.4253

■ 38.1966, 45.1572,
48.1977

■ 42.4231, 47.2762,
51.0958

Harmonies

Analogous

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



25.4739, 37.3182, 15.8235



22.2143, 37.3182, 29.3249



22.1168, 37.3182, 52.8123

Triad

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



22.2143, 37.3182, 29.3249



39.5004, 37.3182, 103.1603



48.2346, 37.3182, 16.3867

Complementary

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



22.2143, 37.3182, 29.3249



21.0926, 10.8049, 4.1087

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.



53.3394, 37.3182, 30.4871



22.2143, 37.3182, 29.3249



47.7886, 37.3182, 83.1822

Square

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



22.2143, 37.3182, 29.3249



31.2633, 37.3182, 102.4510



53.1645, 37.3182, 54.5287



40.0377, 37.3182, 10.5987

Rectangle

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



22.2143, 37.3182, 29.3249



23.8109, 37.3182, 72.0509



53.1645, 37.3182, 54.5287



50.4222, 37.3182, 20.0053

Sweetspot

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



22.2153, 37.3197, 29.3258



61.5545, 77.4488, 81.1124



19.2393, 36.2989, 5.9931



13.0135, 16.7855, 17.4149



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.2153, 37.3197, 29.3258



39.6802, 66.7946, 51.9654



19.3250, 24.2976, 50.6867



9.6945, 10.7639, 11.6407



15.3371, 25.7251, 20.3695



0.6269, 1.0181, 0.9354

Inverse Universe

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



21.0926, 10.8049, 4.1087



37.6895, 19.3158, 6.9080



21.2713, 12.1192, 1.2188



9.6342, 9.5780, 10.4628



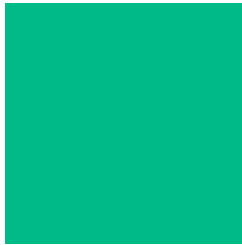
14.5586, 7.4546, 2.9690



0.5988, 0.3034, 0.2667

Previews

White Background



This preview shows how the XYZ color 22.2143, 37.3182, 29.3249 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 22.2143, 37.3182, 29.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

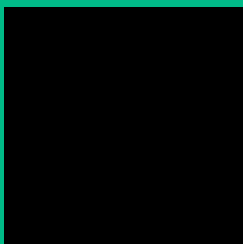
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

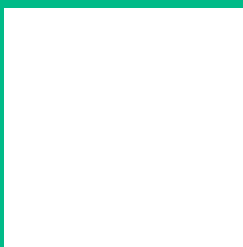
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2143, 37.3182, 29.3249

Background



This preview shows how black text looks on a background with the XYZ color 22.2143, 37.3182, 29.3249.

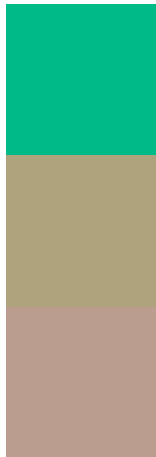


This preview shows how white text looks on a background with the XYZ color 22.2143, 37.3182,

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

22.2143, 37.3182, 29.3249

Protanopia

34.2544, 36.6737, 24.6754

Deuteranopia

37.2646, 36.5362, 31.0747



Tritanopia

27.7822, 37.1273, 56.7410

Trichromacy



Original Color

22.2143, 37.3182, 29.3249



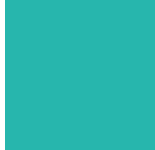
Protanomaly

25.2705, 34.4695, 26.0903



Deuteranomaly

26.2075, 33.7503, 29.9441



Tritanomaly

25.1075, 36.9044, 45.3351

Monochromacy



Original Color

22.2143, 37.3182, 29.3249



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.8606, 24.4703, 24.5508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2143, 37.3182, 29.3249 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, 187, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 136)  
}
```

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, 187, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 136) }
```

Border

The CSS property to change the border of an element to XYZ 22.2143, 37.3182, 29.3249 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, 187, 136) }
```


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

```
.border{ border-color:rgb(0, 187, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2143, 37.3182, 29.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 136) }
```

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

```
.background{ background-color: rgb(0, 187,  
136) }
```

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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