

Converting Colors

XYZ(19.5731, 35.5610, 30.4402)

Have a look what the booklet for
XYZ(19.5731, 35.5610, 30.4402)
contains.

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Color

**XYZ(22.2191, 36.9819,
30.3932)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA8B
RGB	0, 186, 139
RGB Percent	0%, 73%, 55%
CMY	0.9999, 0.2706, 0.4549
CMYK	1.00, 0.00, 0.25, 0.27
HSL	165°, 100%, 36%
HSV	165°, 100%, 73%
XYZ	22.2191, 36.9819, 30.3932
YIQ	125.0280, -95.7690, -54.0490

Conversions

Conversions Part 2

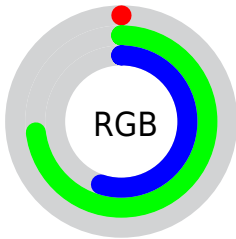
Format	Color
RYB	0, 106, 186
Decimal	47755
CIELab	67.26, -50.88, 12.85
CIELCh	67, 52.481, 165.827
Yxy	36.9819, 0.2480, 0.4128
Android (android.graphics.Color)	4278237835 (0xFF00BA8B)
YUV	125.0280, 6.8882, -109.6496
Hunter-Lab	60.8127, -41.2039, 12.9368

Details

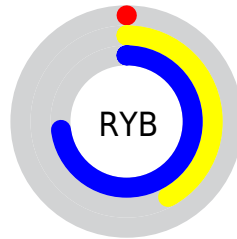
The XYZ color **22.2191, 36.9819, 30.3932** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.7642, 10.6453, 3.6519**, and the grayscale version is **19.5055, 20.5213, 22.3476**.

A 20% lighter version of the original color is **46.6060, 70.4928, 61.6022**, and **10.0544, 17.2238, 12.2458** is the 20% darker color. If you saturate the color by 10%, you get **22.2195, 36.9831, 30.3922**, and if you desaturate by 10%, it is **22.8320, 37.2583, 32.2546**.

Distribution



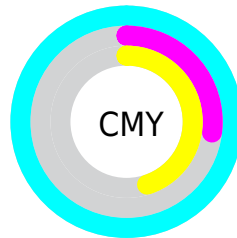
- Red (0%)
- Green (73%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2191, 36.9819, 30.3932 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 22.2191, 36.9819, 30.3932 by changing the saturation by 10% instead.


 22.2191, 36.9819,
30.3932


 22.2191, 36.9819,
30.3932


256.2992,
333.2322, 317.9971


 14.1355, 25.1935,
19.8826


 46.5840, 70.5449,
61.3518


 8.2973, 16.2213,
12.1265


 63.5960, 93.0884,
82.6369

 4.3392, 9.6809,
6.7063


 84.3149, 119.9856,
108.3506

 1.8957, 5.1879,
3.2035

 109.1059,
151.6209, 138.9115

 0.5744, 2.3579,
1.1994

 138.3345,
188.3789, 174.7380

 0.0000, 0.8041,
0.0000

 172.3661,

 0.0000, 0.0000,

230.6438, 216.2488

0.0000

211.5658,
278.8001, 263.8623

■ 22.2191, 36.9819,
30.3932

■ 22.2191, 36.9819,
30.3932

■ 22.2195, 36.9831,
30.3922

■ 22.8320, 37.2583,
32.2546

■ 23.7077, 37.6674,
34.2054

■ 24.9387, 38.2580,
36.2519

■ 26.5708, 39.0536,
38.3971

■ 28.6424, 40.0740,
40.6436

■ 31.1876, 41.3367,
42.9939

■ 34.2369, 42.8574,
45.4503

■ 37.8181, 44.6506,
48.0149

■ 41.9573, 46.7295,
50.6899

Harmonies

Analogous

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



25.2098, 36.9819, 16.6676



22.2191, 36.9819, 30.3932



22.3041, 36.9819, 53.5524

Triad

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



22.2191, 36.9819, 30.3932



39.5258, 36.9819, 99.4495



47.0272, 36.9819, 16.1718

Complementary

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



22.2191, 36.9819, 30.3932



20.7642, 10.6453, 3.6519

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.



52.1705, 36.9819, 29.3835



22.2191, 36.9819, 30.3932



47.4105, 36.9819, 79.5445

Square

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



22.2191, 36.9819, 30.3932



31.5082, 36.9819, 100.0538



52.3206, 36.9819, 52.0765



39.0625, 36.9819, 10.8330

Rectangle

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



22.2191, 36.9819, 30.3932



24.0716, 36.9819, 72.0427



52.3206, 36.9819, 52.0765



49.1933, 36.9819, 19.5542

Sweetspot

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



22.2201, 36.9833, 30.3941



61.7512, 77.5275, 82.1480



18.8561, 35.7875, 5.9144



13.0621, 16.8050, 17.6706



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.



22.2201, 36.9833, 30.3941



40.1701, 66.9906, 54.5449



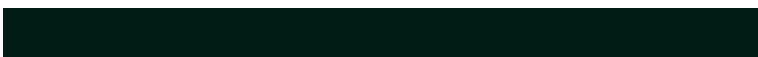
18.6270, 23.0725, 49.9278



9.1671, 10.1708, 11.0372



14.9794, 24.8927, 20.6115



0.5514, 0.8869, 0.8497

Inverse Universe

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



20.7642, 10.6453, 3.6519



37.5521, 19.2608, 6.1847



21.1296, 12.1977, 1.2413



9.0952, 9.0485, 9.8490



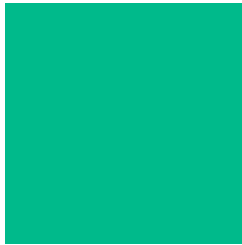
13.9947, 7.1717, 2.5932



0.5191, 0.2631, 0.2270

Previews

White Background



This preview shows how the XYZ color 22.2191, 36.9819, 30.3932 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 22.2191, 36.9819, 30.3932 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 22.2191, 36.9819, 30.3932

Background



This preview shows how black text looks on a background with the XYZ color 22.2191, 36.9819, 30.3932.



This preview shows how white text looks on a background with the XYZ color 22.2191, 36.9819,

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

22.2191, 36.9819, 30.3932

Protanopia

34.0502, 36.2834, 25.6308

Deuteranopia

37.1754, 36.4726, 31.8686



Tritanopia

27.6092, 37.0511, 56.1485

Trichromacy



Original Color

22.2191, 36.9819, 30.3932



Protanomaly

25.1582, 34.1068, 27.0871



Deuteranomaly

26.4318, 33.8400, 31.1253



Tritanomaly

25.0701, 36.8851, 45.3334

Monochromacy



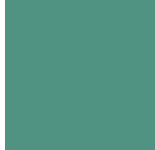
Original Color

22.2191, 36.9819, 30.3932



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.7712, 24.1846, 24.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2191, 36.9819, 30.3932 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, 186, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 139)  
}
```

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, 186, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 139) }
```

Border

The CSS property to change the border of an element to XYZ 22.2191, 36.9819, 30.3932 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, 186, 139) }
```


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

```
.border{ border-color:rgb(0, 186, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2191, 36.9819, 30.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 139) }
```

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

```
.background{ background-color: rgb(0, 186,  
139) }
```

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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