

Converting Colors

XYZ(22.4522, 30.6982, 51.2800)

Have a look what the booklet for
XYZ(22.4522, 30.6982, 51.2800)
contains.

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Color

**XYZ(22.4991, 30.8176,
51.2169)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6BA
RGB	0, 166, 186
RGB Percent	0%, 65%, 73%
CMY	0.9999, 0.3490, 0.2706
CMYK	1.00, 0.11, 0.00, 0.27
HSL	186°, 100%, 36%
HSV	186°, 100%, 73%
XYZ	22.4991, 30.8176, 51.2169
YIQ	118.6460, -105.3560, -28.9720

Conversions

Conversions Part 2

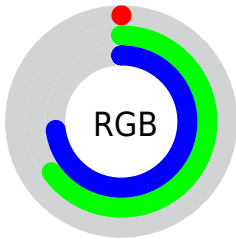
Format	Color
RYB	0, 88, 186
Decimal	42682
CIELab	62.35, -28.43, -20.45
CIELCh	62, 35.022, 215.727
Yxy	30.8176, 0.2152, 0.2948
Android (android.graphics.Color)	4278232762 (0xFF00A6BA)
YUV	118.6460, 33.2055, -104.0525
Hunter-Lab	55.5136, -24.8046, -15.8415

Details

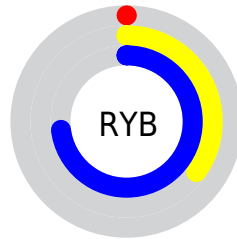
The XYZ color **22.4991, 30.8176, 51.2169** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.5009, 10.9408, 1.0322**, and the grayscale version is **17.3488, 18.2523, 19.8767**.

A 20% lighter version of the original color is **46.9205, 60.7204, 93.2516**, and **10.2510, 13.7281, 24.2998** is the 20% darker color. If you saturate the color by 10%, you get **22.4990, 30.8172, 51.2174**, and if you desaturate by 10%, it is **23.1276, 31.6862, 51.3520**.

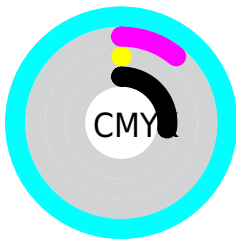
Distribution



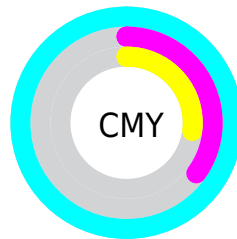
- Red (0%)
- Green (65%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (35%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4991, 30.8176, 51.2169 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 22.4991, 30.8176, 51.2169 by changing the saturation by 10% instead.

■ 22.4991, 30.8176,
51.2169

■ 22.4991, 30.8176,
51.2169

257.7254,
305.6971, 408.2765

■ 14.3427, 20.4600,
36.0033

■ 47.0423, 60.9528,
93.3901

■ 8.4427, 12.7299,
24.1471

■ 64.1598, 81.4992,
121.1868

■ 4.4337, 7.2428,
15.2295

■ 84.9951, 106.2106,
154.0149

■ 1.9503, 3.6144,
8.8322

■ 109.9135,
135.4714, 192.2931

■ 0.6058, 1.4603,
4.5366

■ 139.2803,
169.6661, 236.4398

■ 0.0000, 0.2605,
1.9241

■ 173.4611,

■ 0.0000, 0.0000,

209.1790, 286.8736

0.5080

212.8209,
254.3946, 344.0129

■ 0.0000, 0.0000,
0.0000

■ 22.4991, 30.8176,
51.2169

■ 22.4991, 30.8176,
51.2169

■ 22.4990, 30.8172,
51.2174

■ 23.1276, 31.6862,
51.3520

■ 24.0096, 32.6934,
51.4999

■ 25.2378, 33.8874,
51.6657

■ 26.8573, 35.2917,
51.8514

■ 28.9067, 36.9262,
52.0589

■ 31.4198, 38.8083,
52.2897

■ 34.4270, 40.9537,
52.5453

■ 37.9561, 43.3768,
52.8270

■ 42.0328, 46.0909,
53.1360

Harmonies

Analogous

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



21.1278, 30.8176, 36.2273



22.4991, 30.8176, 51.2169



25.7028, 30.8176, 63.4098

Triad

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



22.4991, 30.8176, 51.2169



38.4079, 30.8176, 45.4669



28.3912, 30.8176, 13.7108

Complementary

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



22.4991, 30.8176, 51.2169



20.5009, 10.9408, 1.0322

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.



33.1990, 30.8176, 14.9446



22.4991, 30.8176, 51.2169



39.3256, 30.8176, 31.0177

Square

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



22.4991, 30.8176, 51.2169



34.9408, 30.8176, 59.5119



37.3288, 30.8176, 20.5069



24.2860, 30.8176, 16.5155

Rectangle

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



22.4991, 30.8176, 51.2169



28.6175, 30.8176, 66.8869



37.3288, 30.8176, 20.5069



29.9754, 30.8176, 13.6790

Sweetspot

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



22.5001, 30.8187, 51.2177



62.0971, 74.0180, 95.2154



17.6739, 35.1642, 6.4555



13.1458, 15.9263, 20.9238



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.



22.5001, 30.8187, 51.2177



40.6714, 55.6395, 92.7973



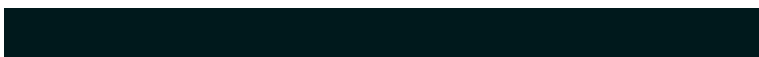
11.3404, 8.4993, 47.4978



9.1820, 10.0412, 11.5336



15.1696, 20.7989, 34.4681



0.5585, 0.7808, 1.2230

Inverse Universe

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



27.1335, 13.1932, 37.1940



49.1242, 23.8897, 67.1226



26.0018, 21.9427, 2.8659



9.3382, 9.1456, 11.1284



18.2706, 8.8820, 25.1095



0.6561, 0.3179, 0.9484

Previews

White Background



This preview shows how the XYZ color 22.4991, 30.8176, 51.2169 looks on a white background.

Color Contrast Check

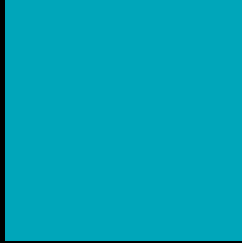
Large Text (above 18pt) WCAG AA × Fail

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 22.4991, 30.8176, 51.2169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

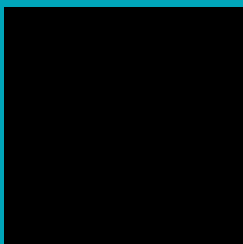
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

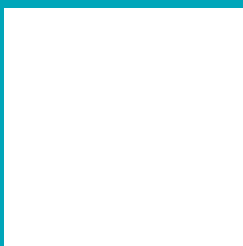
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4991, 30.8176, 51.2169

Background



This preview shows how black text looks on a background with the XYZ color 22.4991, 30.8176, 51.2169.



This preview shows how white text looks on a background with the XYZ color 22.4991, 30.8176,

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

22.4991, 30.8176, 51.2169

Protanopia

30.0645, 30.5706, 44.3606

Deuteranopia

31.0557, 30.4248, 52.9510



Tritanopia

22.0569, 30.9327, 47.9881

Trichromacy



Original Color

22.4991, 30.8176, 51.2169

Protanomaly

24.1709, 28.9324, 46.4300

Deuteranomaly

25.0553, 29.0095, 52.4229

Tritanomaly

22.2622, 31.0148, 49.0691

Monochromacy



Original Color

22.4991, 30.8176, 51.2169

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.7426, 21.1280, 29.1823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4991, 30.8176, 51.2169 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, 166, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 186)  
}
```

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, 166, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 186) }
```

Border

The CSS property to change the border of an element to XYZ 22.4991, 30.8176, 51.2169 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, 166, 186) }
```


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

```
.border{ border-color:rgb(0, 166, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4991, 30.8176, 51.2169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 186) }
```

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

```
.background{ background-color: rgb(0, 166,  
186) }
```

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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