

Converting Colors

XYZ(9.1595, 25.9150, 48.0931)

Have a look what the booklet for
XYZ(9.1595, 25.9150, 48.0931)
contains.

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Color

**XYZ(23.2841, 33.2233,
48.9016)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADB5
RGB	0, 173, 181
RGB Percent	0%, 68%, 71%
CMY	0.9998, 0.3216, 0.2902
CMYK	1.00, 0.04, 0.00, 0.29
HSL	183°, 100%, 35%
HSV	183°, 100%, 71%
XYZ	23.2841, 33.2233, 48.9016
YIQ	122.1850, -105.6760, -34.1880

Conversions

Conversions Part 2

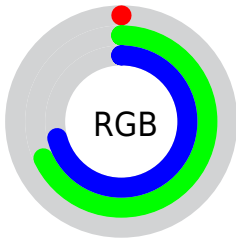
Format	Color
RYB	0, 88, 181
Decimal	44469
CIELab	64.34, -33.44, -14.64
CIELCh	64, 36.508, 203.645
Yxy	33.2233, 0.2209, 0.3152
Android (android.graphics.Color)	4278234549 (0xFF00ADB5)
YUV	122.1850, 28.9958, -107.1562
Hunter-Lab	57.6397, -28.7626, -9.9540

Details

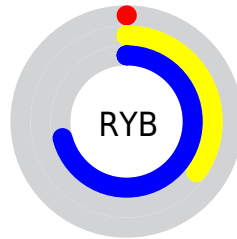
The XYZ color **23.2841, 33.2233, 48.9016** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.1438, 9.9985, 0.9221**, and the grayscale version is **18.4964, 19.4597, 21.1916**.

A 20% lighter version of the original color is **48.3424, 64.7497, 90.0708**, and **10.6128, 14.9915, 22.7564** is the 20% darker color. If you saturate the color by 10%, you get **23.2843, 33.2235, 48.9023**, and if you desaturate by 10%, it is **23.6906, 33.6620, 48.9655**.

Distribution



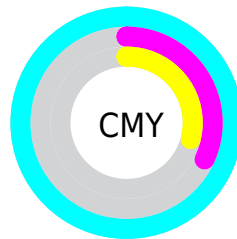
- Red (0%)
- Green (68%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (32%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2841, 33.2233, 48.9016 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 23.2841, 33.2233, 48.9016 by changing the saturation by 10% instead.

■ 23.2841, 33.2233,
48.9016

■ 23.2841, 33.2233,
48.9016

261.6890,
316.6547, 398.9661

■ 14.9253, 22.2976,
34.1764

■ 48.3226, 64.7240,
89.9248

■ 8.8529, 14.0757,
22.7507

■ 65.7330, 86.0677,
117.0598

■ 4.7017, 8.1733,
14.2059

■ 86.8914, 111.6530,
149.1685

■ 2.1063, 4.2061,
8.1237

■ 112.1629,
141.8640, 186.6694

■ 0.6926, 1.7895,
4.0853

■ 141.9132,
177.0853, 229.9811

■ 0.0000, 0.4806,
1.6722

176.5073,

■ 0.0000, 0.0000,

217.7013, 279.5221

0.3416

216.3108,
264.0963, 335.7109

■ 0.0000, 0.0000,
0.0000

■ 23.2841, 33.2233,
48.9016

■ 23.2841, 33.2233,
48.9016

■ 23.2843, 33.2235,
48.9023

■ 23.6906, 33.6620,
48.9655

■ 24.3293, 34.2211,
49.0397

■ 25.2888, 34.9469,
49.1292

■ 26.6112, 35.8612,
49.2360

■ 28.3326, 36.9825,
49.3617

■ 30.4845, 38.3271,
49.5079

■ 33.0953, 39.9097,
49.6757

■ 36.1909, 41.7436,
49.8665

■ 39.7954, 43.8412,
50.0815

Harmonies

Analogous

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



22.6556, 33.2233, 33.1001



23.2841, 33.2233, 48.9016



26.0198, 33.2233, 64.4455

Triad

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



23.2841, 33.2233, 48.9016



40.3233, 33.2233, 55.9166



32.6961, 33.2233, 14.5437

Complementary

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



23.2841, 33.2233, 48.9016



19.1438, 9.9985, 0.9221

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.



37.8757, 33.2233, 17.6827



23.2841, 33.2233, 48.9016



42.5799, 33.2233, 39.4336

Square

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



23.2841, 33.2233, 48.9016



35.7551, 33.2233, 69.2108



41.6385, 33.2233, 25.8727



27.7391, 33.2233, 15.7900

Rectangle

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



23.2841, 33.2233, 48.9016



28.8482, 33.2233, 71.1457



41.6385, 33.2233, 25.8727



34.4743, 33.2233, 15.0850

Sweetspot

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



23.2851, 33.2245, 48.9024



59.0059, 71.3170, 88.9502



16.5579, 33.0618, 5.6833



12.3161, 15.1507, 19.1975



86.6293, 91.1408, 99.2523



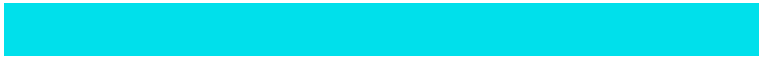
17.0014, 17.8868, 19.4787

Same Dimension

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



23.2851, 33.2245, 48.9024



41.6552, 59.4101, 87.5664



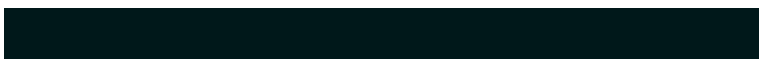
11.5496, 9.7534, 44.9906



8.7098, 9.5659, 10.8937



16.0652, 22.9308, 33.7164



0.5153, 0.7411, 1.0641

Inverse Universe

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



26.5998, 12.8420, 40.6131



47.6148, 22.9885, 72.6123



23.2901, 18.2911, 2.3042



8.8335, 8.6401, 10.6215



18.3436, 8.8550, 28.0333



0.5821, 0.2806, 0.9081

Previews

White Background



This preview shows how the XYZ color 23.2841, 33.2233, 48.9016 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 23.2841, 33.2233, 48.9016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

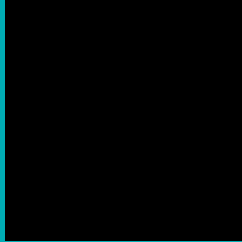
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

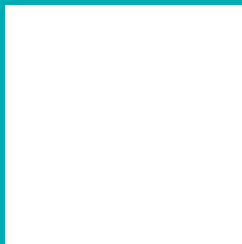
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2841, 33.2233, 48.9016

Background



This preview shows how black text looks on a background with the XYZ color 23.2841, 33.2233, 48.9016.

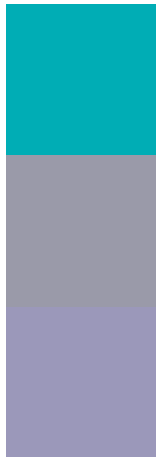


This preview shows how white text looks on a background with the XYZ color 23.2841, 33.2233,

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

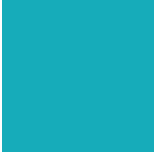
23.2841, 33.2233, 48.9016

Protanopia

32.0435, 32.8458, 42.1871

Deuteranopia

33.6087, 32.9702, 51.0469



Tritanopia

23.9463, 33.2208, 51.6045

Trichromacy



Original Color

23.2841, 33.2233, 48.9016



Protanomaly

25.3247, 31.1035, 44.2040



Deuteranomaly

26.3681, 31.2550, 49.9905



Tritanomaly

23.5854, 33.0591, 50.4854

Monochromacy



Original Color

23.2841, 33.2233, 48.9016



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.6247, 22.6526, 29.4301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2841, 33.2233, 48.9016 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, 173, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 181)  
}
```

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, 173, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.2841, 33.2233, 48.9016 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, 173, 181) }
```


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

```
.border{ border-color:rgb(0, 173, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2841, 33.2233, 48.9016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 181) }
```

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

```
.background{ background-color: rgb(0, 173,  
181) }
```

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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