

Converting Colors

XYZ(23.6854, 38.4872, 35.2824)

Have a look what the booklet for
XYZ(23.6854, 38.4872, 35.2824)
contains.

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Color

**XYZ(23.7835, 38.6296,
35.4809)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00BD97 |
| RGB | 0, 189, 151 |
| RGB Percent | 0%, 74%, 59% |
| CMY | 0.9999, 0.2588, 0.4078 |
| CMYK | 1.00, 0.00, 0.20, 0.26 |
| HSL | 168°, 100%, 37% |
| HSV | 168°, 100%, 74% |
| XYZ | 23.7835, 38.6296, 35.4809 |
| YIQ | 128.1570, -100.4460, -51.8860 |

Conversions

Conversions Part 2

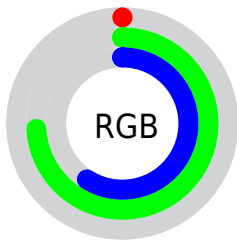
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 105, 189 |
| Decimal | 48535 |
| CIELab | 68.48, -49.07, 8.03 |
| CIElCh | 68, 49.723, 170.706 |
| Yxy | 38.6296, 0.2430, 0.3946 |
| Android (android.graphics.Color) | 4278238615 (0xFF00BD97) |
| YUV | 128.1570, 11.2616, -112.3937 |
| Hunter-Lab | 62.1527, -40.4620, 9.6602 |

Details

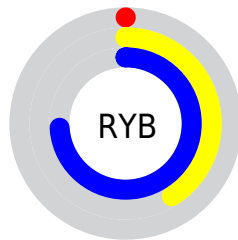
The XYZ color **23.7835, 38.6296, 35.4809** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.3375, 10.9597, 2.8264**, and the grayscale version is **20.5620, 21.6328, 23.5581**.

A 20% lighter version of the original color is **49.0122, 72.9160, 69.2486**, and **10.8253, 17.9703, 14.9547** is the 20% darker color. If you saturate the color by 10%, you get **23.7840, 38.6308, 35.4801**, and if you desaturate by 10%, it is **24.3651, 38.8941, 37.1464**.

Distribution



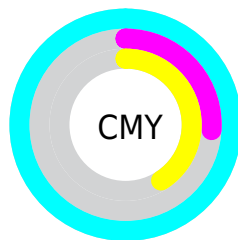
- Red (0%)
- Green (74%)
- Blue (59%)



- Red (0%)
- Yellow (41%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7835, 38.6296, 35.4809 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 23.7835, 38.6296, 35.4809 by changing the saturation by 10% instead.


 23.7835, 38.6296,
35.4809


 23.7835, 38.6296,
35.4809


264.1849,
340.3131, 341.6545


 15.2970, 26.4717,
23.7470


 49.1339, 73.0721,
69.3901


 9.1157, 17.1769,
14.9356


 66.7285, 96.1256,
92.4025


 4.8745, 10.3607,
8.6281


 88.0899, 123.5796,
120.0115

 2.2078, 5.6387,
4.4059

 113.5833,
155.8187, 152.6357

 0.7468, 2.6267,
1.8506

 143.5741,
193.2272, 190.6935

 0.0000, 0.9401,
0.4610

178.4278,

 0.0000, 0.0000,

236.1895, 234.6035

0.0000

218.5096,
285.0900, 284.7844

■ 23.7835, 38.6296,
35.4809

■ 23.7835, 38.6296,
35.4809

■ 23.7840, 38.6308,
35.4801

■ 24.3651, 38.8941,
37.1464

■ 25.2146, 39.2947,
38.8761

■ 26.4273, 39.8812,
40.6757

■ 28.0504, 40.6782,
42.5478

■ 30.1242, 41.7064,
44.4948

■ 32.6837, 42.9837,
46.5189

■ 35.7608, 44.5266,
48.6218

■ 39.3844, 46.3501,
50.8055

■ 43.5812, 48.4678,
53.0716

Harmonies

Analogous

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



26.2630, 38.6296, 20.2542



23.7835, 38.6296, 35.4809



24.3677, 38.6296, 59.2034

Triad

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



23.7835, 38.6296, 35.4809



42.2951, 38.6296, 96.5895



47.0889, 38.6296, 16.7564

Complementary

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



23.7835, 38.6296, 35.4809



21.3375, 10.9597, 2.8264

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.



52.6588, 38.6296, 28.5952



23.7835, 38.6296, 35.4809



49.6296, 38.6296, 75.6630

Square

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



23.7835, 38.6296, 35.4809



34.3404, 38.6296, 100.4998



53.6494, 38.6296, 49.4083



39.1993, 38.6296, 12.2643

Rectangle

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



23.7835, 38.6296, 35.4809



26.4540, 38.6296, 76.8721



53.6494, 38.6296, 49.4083



49.3390, 38.6296, 19.7587

Sweetspot

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



23.7846, 38.6311, 35.4818



63.7525, 79.5973, 86.8904



19.1115, 36.8673, 6.1094



13.1893, 16.8559, 18.3408



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.



23.7846, 38.6311, 35.4818



42.5074, 69.1500, 63.0779



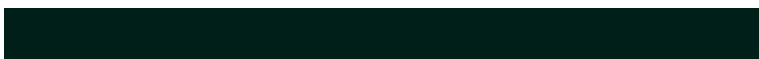
17.9139, 21.1304, 51.2803



9.7241, 10.7758, 11.7967



16.0298, 26.0022, 24.0173



0.6492, 1.0270, 1.0527

Inverse Universe

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



21.3375, 10.9597, 2.8264



38.1456, 19.6002, 4.7035



22.2862, 13.4173, 1.4158



9.6065, 9.5669, 10.3169



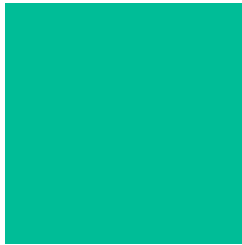
14.3781, 7.3824, 2.0188



0.5868, 0.2986, 0.2034

Previews

White Background



This preview shows how the XYZ color 23.7835, 38.6296, 35.4809 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 23.7835, 38.6296, 35.4809 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 23.7835, 38.6296, 35.4809

Background



This preview shows how black text looks on a background with the XYZ color 23.7835, 38.6296, 35.4809.



This preview shows how white text looks on a background with the XYZ color 23.7835, 38.6296,

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

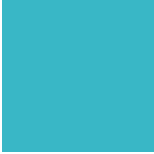
23.7835, 38.6296, 35.4809

Protanopia

35.7945, 37.8883, 29.8527

Deuteranopia

38.6642, 37.8902, 37.1740



Tritanopia

28.8139, 38.8140, 59.3993

Trichromacy



Original Color

23.7835, 38.6296, 35.4809



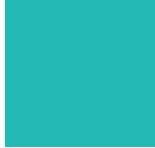
Protanomaly

26.6495, 35.6348, 31.4602



Deuteranomaly

27.9505, 35.3439, 36.3593



Tritanomaly

26.4170, 38.4092, 49.7375

Monochromacy



Original Color

23.7835, 38.6296, 35.4809



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.7436, 25.3396, 27.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7835, 38.6296, 35.4809 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, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 151)  
}
```

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, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.7835, 38.6296, 35.4809 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, 189, 151) }
```


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

```
.border{ border-color:rgb(0, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7835, 38.6296, 35.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 151) }
```

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

```
.background{ background-color: rgb(0, 189,  
151) }
```

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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