

Converting Colors

XYZ(15.3715, 32.9231, 36.9848)

Have a look what the booklet for
XYZ(15.3715, 32.9231, 36.9848)
contains.

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Color

**XYZ(23.3497, 37.0982,
37.3825)**

Conversions

Conversions Part 1

Format	Color
Hex	00B99C
RGB	0, 185, 156
RGB Percent	0%, 73%, 61%
CMY	0.9999, 0.2745, 0.3882
CMYK	1.00, 0.00, 0.16, 0.27
HSL	171°, 100%, 36%
HSV	171°, 100%, 73%
XYZ	23.3497, 37.0982, 37.3825
YIQ	126.3790, -100.9510, -48.2390

Conversions

Conversions Part 2

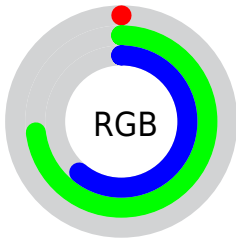
Format	Color
RYB	0, 100, 185
Decimal	47516
CIELab	67.35, -46.12, 3.66
CIELCh	67, 46.266, 175.458
Yxy	37.0982, 0.2387, 0.3792
Android (android.graphics.Color)	4278237596 (0xFF00B99C)
YUV	126.3790, 14.6032, -110.8344
Hunter-Lab	60.9083, -38.1601, 6.2465

Details

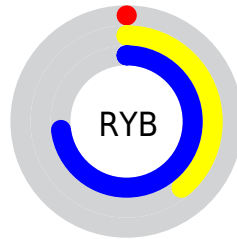
The XYZ color **23.3497, 37.0982, 37.3825** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.2306, 10.4040, 2.1060**, and the grayscale version is **19.9397, 20.9781, 22.8452**.

A 20% lighter version of the original color is **48.4220, 70.7541, 72.0776**, and **10.6661, 17.2525, 16.1325** is the 20% darker color. If you saturate the color by 10%, you get **23.3501, 37.0993, 37.3816**, and if you desaturate by 10%, it is **23.8585, 37.3326, 38.7048**.

Distribution



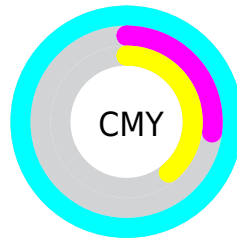
- Red (0%)
- Green (73%)
- Blue (61%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3497, 37.0982, 37.3825 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 23.3497, 37.0982, 37.3825 by changing the saturation by 10% instead.


 23.3497, 37.0982,
37.3825


 23.3497, 37.0982,
37.3825


262.0180,
333.7355, 350.1820


 14.9740, 25.2835,
25.2057


 48.4293, 70.7238,
72.3536


 8.8874, 16.2884,
16.0099


 65.8640, 93.3035,
95.9849


 4.7243, 9.7285,
9.3768


 87.0491, 120.2404,
124.2715

 2.1195, 5.2193,
4.8876

 112.3500,
151.9187, 157.6318

 0.6998, 2.3765,
2.1239

 142.1319,
188.7230, 196.4845

 0.0000, 0.8138,
0.6299

 176.7604,

 0.0000, 0.0000,

231.0377, 241.2481

0.0000

216.6006,
279.2470, 292.3411

■ 23.3497, 37.0982,
37.3825

■ 23.3497, 37.0982,
37.3825

■ 23.3501, 37.0993,
37.3816

■ 23.8585, 37.3326,
38.7048

■ 24.6175, 37.6945,
40.0688

■ 25.7186, 38.2321,
41.4798

■ 27.2066, 38.9684,
42.9402

■ 29.1195, 39.9230,
44.4519

■ 31.4906, 41.1132,
46.0167

■ 34.3499, 42.5543,
47.6362

■ 37.7248, 44.2606,
49.3118

■ 41.6408, 46.2451,
51.0451

Harmonies

Analogous

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



25.1879, 37.0982, 22.0650



23.3497, 37.0982, 37.3825



24.3357, 37.0982, 59.5919

Triad

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



23.3497, 37.0982, 37.3825



41.4466, 37.0982, 86.8507



43.5625, 37.0982, 16.0263

Complementary

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



23.3497, 37.0982, 37.3825



20.2306, 10.4040, 2.1060

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.



49.0460, 37.0982, 25.8371



23.3497, 37.0982, 37.3825



47.7142, 37.0982, 66.7984

Square

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



23.3497, 37.0982, 37.3825



34.1930, 37.0982, 93.1018



50.6583, 37.0982, 43.5623



36.3504, 37.0982, 12.6487

Rectangle

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



23.3497, 37.0982, 37.3825



26.5427, 37.0982, 75.0691



50.6583, 37.0982, 43.5623



45.7050, 37.0982, 18.4795

Sweetspot

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



23.3507, 37.0996, 37.3834



61.2384, 76.0706, 85.1645



17.9104, 34.9882, 5.8102



12.7206, 16.1566, 18.0961



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.3507, 37.0996, 37.3834



41.7466, 66.4136, 66.5699



15.8832, 17.7544, 48.4903



9.2045, 10.1858, 11.2345



15.9208, 25.2693, 25.5688



0.5777, 0.8974, 0.9881

Inverse Universe

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



20.2306, 10.4040, 2.1060



36.1765, 18.6101, 3.4839



21.7139, 13.7257, 1.5056



9.0605, 9.0346, 9.6660



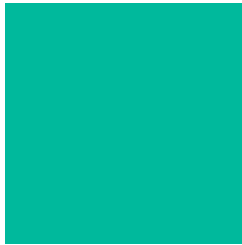
13.7923, 7.0907, 1.5271



0.5044, 0.2572, 0.1494

Previews

White Background



This preview shows how the XYZ color 23.3497, 37.0982, 37.3825 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 23.3497, 37.0982, 37.3825 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

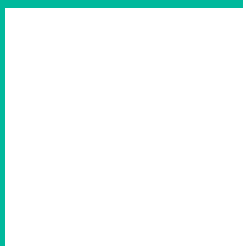
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3497, 37.0982, 37.3825

Background



This preview shows how black text looks on a background with the XYZ color 23.3497, 37.0982, 37.3825.

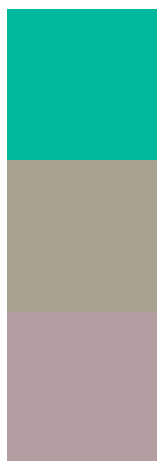


This preview shows how white text looks on a background with the XYZ color 23.3497, 37.0982,

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

23.3497, 37.0982, 37.3825

Protanopia

34.5319, 36.4003, 31.5915

Deuteranopia

37.3389, 36.6461, 39.2878



Tritanopia

27.4750, 37.2676, 56.7842

Trichromacy



Original Color

23.3497, 37.0982, 37.3825



Protanomaly

25.9044, 34.0757, 33.2289



Deuteranomaly

27.2872, 34.1207, 38.4055



Tritanomaly

25.5934, 37.0745, 48.9872

Monochromacy



Original Color

23.3497, 37.0982, 37.3825



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.2573, 24.3791, 27.4103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3497, 37.0982, 37.3825 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, 185, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 156)  
}
```

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, 185, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.3497, 37.0982, 37.3825 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, 185, 156) }
```


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

```
.border{ border-color:rgb(0, 185, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3497, 37.0982, 37.3825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 156) }
```

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

```
.background{ background-color: rgb(0, 185,  
156) }
```

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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