

Converting Colors

XYZ(22.3949, 32.0696, 53.1658)

Have a look what the booklet for
XYZ(22.3949, 32.0696, 53.1658)
contains.

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Color

**XYZ(23.7482, 32.7999,
53.2235)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABBD
RGB	0, 171, 189
RGB Percent	0%, 67%, 74%
CMY	0.9998, 0.3294, 0.2588
CMYK	1.00, 0.10, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	23.7482, 32.7999, 53.2235
YIQ	121.9230, -107.6940, -30.6540

Conversions

Conversions Part 2

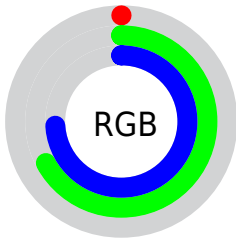
Format	Color
RYB	0, 90, 189
Decimal	43965
CIELab	64.00, -29.90, -19.62
CIELCh	64, 35.763, 213.270
Yxy	32.7999, 0.2163, 0.2988
Android (android.graphics.Color)	4278234045 (0xFF00ABBD)
YUV	121.9230, 33.0690, -106.9265
Hunter-Lab	57.2712, -26.2074, -15.0098

Details

The XYZ color **23.7482, 32.7999, 53.2235** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.2037, 11.2529, 1.0556**, and the grayscale version is **18.3984, 19.3565, 21.0793**.

A 20% lighter version of the original color is **49.0961, 64.1834, 96.1872**, and **10.9224, 14.7344, 25.5609** is the 20% darker color. If you saturate the color by 10%, you get **23.7481, 32.7994, 53.2240**, and if you desaturate by 10%, it is **24.3585, 33.6235, 53.3509**.

Distribution



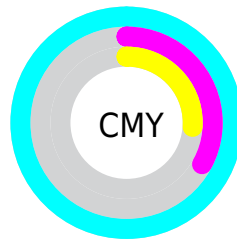
- Red (0%)
- Green (67%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7482, 32.7999, 53.2235 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 23.7482, 32.7999, 53.2235 by changing the saturation by 10% instead.

■ 23.7482, 32.7999,
53.2235

■ 23.7482, 32.7999,
53.2235

264.0091,
314.7471, 416.2326

■ 15.2707, 21.9732,
37.5923

■ 49.0767, 64.0630,
96.3780

■ 9.0971, 13.8372,
25.3670

■ 66.6583, 85.2682,
124.7384

■ 4.8622, 8.0075,
16.1292

■ 88.0053, 110.7017,
158.1790

■ 2.2006, 4.0998,
9.4603

■ 113.4831,
140.7478, 197.1182

■ 0.7430, 1.7295,
4.9417

■ 143.4571,
175.7910, 241.9746

■ 0.0000, 0.4427,
2.1550

178.2925,

■ 0.0000, 0.0000,

216.2157, 293.1668

0.6482

218.3547,
262.4063, 351.1133

■ 0.0000, 0.0000,
0.0000

■ 23.7482, 32.7999,
53.2235

■ 23.7482, 32.7999,
53.2235

■ 23.7481, 32.7994,
53.2240

■ 24.3585, 33.6235,
53.3509

■ 25.2316, 34.5887,
53.4912

■ 26.4624, 35.7453,
53.6496

■ 28.0982, 37.1177,
53.8283

■ 30.1790, 38.7264,
54.0291

■ 32.7399, 40.5897,
54.2538

■ 35.8127, 42.7238,
54.5038

■ 39.4261, 45.1438,
54.7804

■ 43.6070, 47.8633,
55.0850

Harmonies

Analogous

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



22.4593, 32.7999, 37.3216



23.7482, 32.7999, 53.2235



27.0128, 32.7999, 66.7138

Triad

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



23.7482, 32.7999, 53.2235



40.6659, 32.7999, 49.7224



30.6253, 32.7999, 14.5389

Complementary

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



23.7482, 32.7999, 53.2235



21.2037, 11.2529, 1.0556

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.



35.7449, 32.7999, 16.2045



23.7482, 32.7999, 53.2235



41.8968, 32.7999, 34.1523

Square

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



23.7482, 32.7999, 53.2235



36.8050, 32.7999, 64.3392



40.0090, 32.7999, 22.5388



26.1511, 32.7999, 17.1583

Rectangle

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



23.7482, 32.7999, 53.2235



30.0523, 32.7999, 71.0156



40.0090, 32.7999, 22.5388



32.3259, 32.7999, 14.6193

Sweetspot

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



23.7492, 32.8011, 53.2243



63.8417, 76.3142, 97.5915



18.2903, 36.4327, 6.5501



13.2095, 16.0537, 20.9450



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.



23.7492, 32.8011, 53.2243



42.4349, 58.5484, 95.2906



11.9656, 9.2337, 49.2964



9.7288, 10.6499, 12.2151



16.0087, 22.1292, 35.8205



0.6499, 0.9125, 1.4107

Inverse Universe

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



28.3379, 13.7602, 39.6916



50.7020, 24.6227, 70.8245



26.5915, 22.0286, 2.8515



9.8897, 9.6802, 11.8083



19.0812, 9.2637, 26.7852



0.7590, 0.3675, 1.1099

Previews

White Background



This preview shows how the XYZ color 23.7482, 32.7999, 53.2235 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 23.7482, 32.7999, 53.2235 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

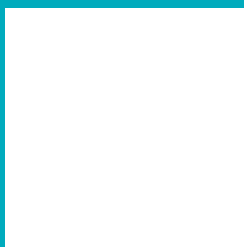
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7482, 32.7999, 53.2235

Background



This preview shows how black text looks on a background with the XYZ color 23.7482, 32.7999, 53.2235.

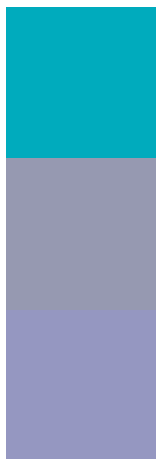


This preview shows how white text looks on a background with the XYZ color 23.7482, 32.7999,

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

23.7482, 32.7999, 53.2235

Protanopia

31.9047, 32.4408, 46.1751

Deuteranopia

33.0867, 32.3730, 54.9568



Tritanopia

23.3199, 32.6286, 50.9678

Trichromacy



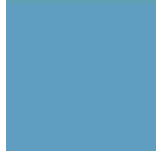
Original Color

23.7482, 32.7999, 53.2235



Protanomaly

25.6306, 30.9107, 48.3315



Deuteranomaly

26.4606, 30.6924, 54.3988



Tritanomaly

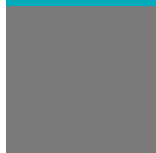
23.4258, 32.6710, 51.5258

Monochromacy



Original Color

23.7482, 32.7999, 53.2235



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.7083, 22.4512, 30.5943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7482, 32.7999, 53.2235 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, 171, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 189)  
}
```

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, 171, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.7482, 32.7999, 53.2235 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, 171, 189) }
```


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

```
.border{ border-color:rgb(0, 171, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7482, 32.7999, 53.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 189) }
```

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

```
.background{ background-color: rgb(0, 171,  
189) }
```

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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