

Converting Colors

XYZ(23.9823, 32.8743, 54.5159)

Have a look what the booklet for
XYZ(23.9823, 32.8743, 54.5159)
contains.

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Color

**XYZ(23.9669, 32.8874,
54.3749)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABBF
RGB	0, 171, 191
RGB Percent	0%, 67%, 75%
CMY	0.9998, 0.3294, 0.2510
CMYK	1.00, 0.10, 0.00, 0.25
HSL	186°, 100%, 37%
HSV	186°, 100%, 75%
XYZ	23.9669, 32.8874, 54.3749
YIQ	122.1510, -108.3360, -30.0320

Conversions

Conversions Part 2

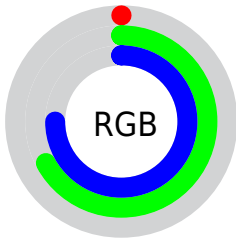
Format	Color
RYB	0, 90, 191
Decimal	43967
CIELab	64.07, -29.24, -20.62
CIELCh	64, 35.785, 215.194
Yxy	32.8874, 0.2155, 0.2957
Android (android.graphics.Color)	4278234047 (0xFF00ABBF)
YUV	122.1510, 33.9426, -107.1264
Hunter-Lab	57.3475, -25.7588, -16.0734

Details

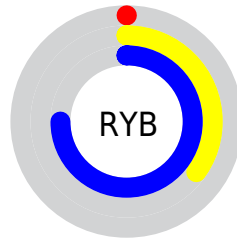
The XYZ color **23.9669, 32.8874, 54.3749** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.7372, 11.5784, 1.0904**, and the grayscale version is **18.4705, 19.4324, 21.1618**.

A 20% lighter version of the original color is **49.4032, 64.3062, 97.8042**, and **11.0659, 14.7918, 26.3166** is the 20% darker color. If you saturate the color by 10%, you get **23.9666, 32.8866, 54.3754**, and if you desaturate by 10%, it is **24.6195, 33.7897, 54.5153**.

Distribution



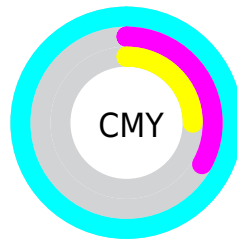
- Red (0%)
- Green (67%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (33%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9669, 32.8874, 54.3749 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 23.9669, 32.8874, 54.3749 by changing the saturation by 10% instead.

■ 23.9669, 32.8874,
54.3749

■ 23.9669, 32.8874,
54.3749

265.0967,
315.1420, 420.7530

■ 15.4337, 22.0402,
38.5063

■ 49.4312, 64.1997,
98.0864

■ 9.2126, 13.8864,
26.0710

■ 67.0931, 85.4336,
126.7664

■ 4.9383, 8.0417,
16.6505

■ 88.5285, 110.8985,
160.5539

■ 2.2455, 4.1217,
9.8263

■ 114.1028,
140.9788, 199.8674

■ 0.7666, 1.7418,
5.1798

■ 144.1815,
176.0589, 245.1256

■ 0.0000, 0.4505,
2.2926

179.1298,

■ 0.0000, 0.0000,

216.5232, 296.7468

0.7271

219.3130,
262.7561, 355.1498

■ 0.0000, 0.0000,
0.0000

■ 23.9669, 32.8874,
54.3749

■ 23.9669, 32.8874,
54.3749

■ 23.9666, 32.8866,
54.3754

■ 24.6195, 33.7897,
54.5153

■ 25.5429, 34.8394,
54.6692

■ 26.8338, 36.0872,
54.8420

■ 28.5407, 37.5580,
55.0360

■ 30.7047, 39.2731,
55.2530

■ 33.3619, 41.2511,
55.4947

■ 36.5447, 43.5087,
55.7627

■ 40.2828, 46.0615,
56.0584

■ 44.6037, 48.9234,
56.3831

Harmonies

Analogous

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



22.5407, 32.8874, 38.3891



23.9669, 32.8874, 54.3749



27.3540, 32.8874, 67.4999

Triad

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



23.9669, 32.8874, 54.3749



40.9413, 32.8874, 48.8084



30.3866, 32.8874, 14.6197

Complementary

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



23.9669, 32.8874, 54.3749



21.7372, 11.5784, 1.0904

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.



35.5179, 32.8874, 16.0129



23.9669, 32.8874, 54.3749



41.9760, 32.8874, 33.3467

Square

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



23.9669, 32.8874, 54.3749



37.2039, 32.8874, 63.7260



39.8966, 32.8874, 22.0380



25.9828, 32.8874, 17.5326

Rectangle

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



23.9669, 32.8874, 54.3749



30.4509, 32.8874, 71.3419



39.8966, 32.8874, 22.0380



32.0803, 32.8874, 14.6107

Sweetspot

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



23.9680, 32.8886, 54.3757



65.1444, 77.7102, 99.8452



18.7503, 37.3098, 6.8356



13.7493, 16.6740, 21.8790



92.9021, 97.7402, 106.4391



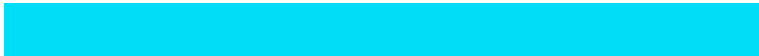
19.4759, 20.4902, 22.3138

Same Dimension

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



23.9680, 32.8886, 54.3757



42.8168, 58.6854, 97.3499



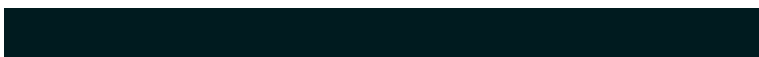
12.0185, 8.9897, 50.3926



9.7209, 10.6342, 12.2125



15.7852, 21.6822, 35.7460



0.6431, 0.8989, 1.4085

Inverse Universe

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



28.8375, 14.0178, 39.7150



51.5919, 25.0821, 70.8403



27.5736, 23.2511, 3.0358



9.8857, 9.6786, 11.7873



18.9684, 9.2185, 26.1910



0.7555, 0.3661, 1.0919

Previews

White Background



This preview shows how the XYZ color 23.9669, 32.8874, 54.3749 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 23.9669, 32.8874, 54.3749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

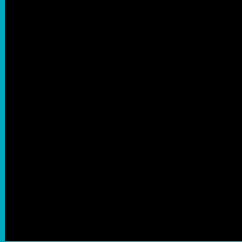
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9669, 32.8874, 54.3749

Background



This preview shows how black text looks on a background with the XYZ color 23.9669, 32.8874, 54.3749.

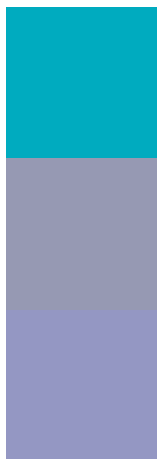


This preview shows how white text looks on a background with the XYZ color 23.9669, 32.8874,

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

23.9669, 32.8874, 54.3749

Protanopia

32.1056, 32.5212, 47.2329

Deuteranopia

33.1297, 32.3692, 56.1315



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

23.9669, 32.8874, 54.3749



Protanomaly

25.8374, 30.9934, 49.4203



Deuteranomaly

26.5806, 30.7284, 55.5692



Tritanomaly

23.7222, 33.0929, 52.1510

Monochromacy



Original Color

23.9669, 32.8874, 54.3749



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.7864, 22.4825, 31.0059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9669, 32.8874, 54.3749 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 191) }
```

Border

The CSS property to change the border of an element to XYZ 23.9669, 32.8874, 54.3749 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, 191) }
```


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

```
.border{ border-color:rgb(0, 171, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9669, 32.8874, 54.3749 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, 191) }
```

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

```
.background{ background-color: rgb(0, 171,  
191) }
```

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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