

Converting Colors

XYZ(23.2739, 32.7910, 36.8391)

Have a look what the booklet for
XYZ(23.2739, 32.7910, 36.8391)
contains.

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Color

**XYZ(23.3964, 32.9766,
37.0303)**

Conversions

Conversions Part 1

Format	Color
Hex	49AB9D
RGB	73, 171, 157
RGB Percent	29%, 67%, 62%
CMY	0.7137, 0.3294, 0.3843
CMYK	0.57, 0.00, 0.08, 0.33
HSL	171°, 40%, 48%
HSV	171°, 57%, 67%
XYZ	23.3964, 32.9766, 37.0303
YIQ	140.1020, -53.9140, -25.1300

Conversions

Conversions Part 2

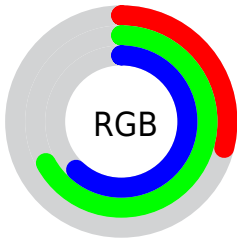
Format	Color
RYB	73, 126, 171
Decimal	4828061
CIELab	64.14, -32.08, -1.43
CIELCh	64, 32.114, 182.548
Yxy	32.9766, 0.2505, 0.3531
Android (android.graphics.Color)	4283018141 (0xFF49AB9D)
YUV	140.1020, 8.3307, -58.8485
Hunter-Lab	57.4253, -27.7691, 1.9649

Details

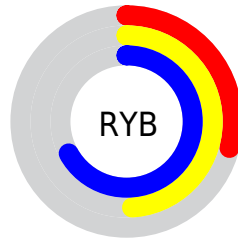
The XYZ color **23.3964, 32.9766, 37.0303** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.8986, 14.1121, 10.6406**, and the grayscale version is **24.9515, 26.2509, 28.5872**.

A 20% lighter version of the original color is **48.4329, 64.3871, 71.5033**, and **9.0800, 13.9975, 15.8589** is the 20% darker color. If you saturate the color by 10%, you get **22.0683, 32.3166, 35.8907**, and if you desaturate by 10%, it is **25.0868, 33.8245, 38.2101**.

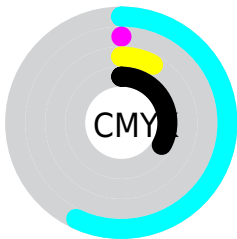
Distribution



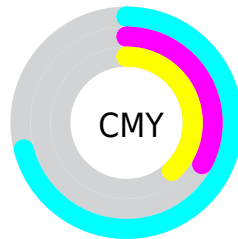
- Red (29%)
- Green (67%)
- Blue (62%)



- Red (29%)
- Yellow (49%)
- Blue (67%)



- Cyan (57%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)



- Cyan (71%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3964, 32.9766, 37.0303 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 23.3964, 32.9766, 37.0303 by changing the saturation by 10% instead.

■ 23.3964, 32.9766,
37.0303

■ 23.3964, 32.9766,
37.0303

262.2520,
315.5443, 348.6143

■ 15.0088, 22.1085,
24.9350

■ 48.5053, 64.3390,
71.8062

■ 8.9119, 13.9367,
15.8100

■ 65.9573, 85.6021,
95.3239

■ 4.7404, 8.0766,
9.2369

■ 87.1614, 111.0990,
123.4862

■ 2.1290, 4.1440,
4.7971

■ 112.4831,
141.2141, 156.7115

■ 0.7049, 1.7544,
2.0721

■ 142.2876,
176.3318, 195.4184

■ 0.0000, 0.4585,
0.5991

176.9403,

■ 0.0000, 0.0000,

216.8364, 240.0255

0.0000

216.8067,
263.1125, 290.9513

■ 23.3964, 32.9766,
37.0303

■ 23.3964, 32.9766,
37.0303

■ 22.0683, 32.3166,
35.8907

■ 25.0868, 33.8245,
38.2101

■ 21.0696, 31.8252,
34.7875

■ 27.1631, 34.8700,
39.4291

■ 20.3664, 31.4855,
33.7196

■ 29.6506, 36.1271,
40.6893

■ 19.9055, 31.2703,
32.6845

■ 32.5712, 37.6069,
41.9920

■ 19.7963, 31.2200,
32.4102

■ 35.9456, 39.3201,
43.3382

■ 39.7928, 41.2767,
44.7289

■ 44.1311, 43.4858,
46.1651

■ 48.9775, 45.9565,
47.6477

■ 54.3484, 48.6969,
49.1776

Harmonies

Analogous

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



24.2085, 32.9766, 25.5570



23.3964, 32.9766, 37.0303



24.5371, 32.9766, 51.1290

Triad

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



23.3964, 32.9766, 37.0303



36.2853, 32.9766, 61.4131



35.5483, 32.9766, 17.9569

Complementary

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



23.3964, 32.9766, 37.0303



20.8986, 14.1121, 10.6406

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.



39.3043, 32.9766, 24.0510



23.3964, 32.9766, 37.0303



39.7579, 32.9766, 48.7279

Square

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



23.3964, 32.9766, 37.0303



31.7335, 32.9766, 67.1723



40.9122, 32.9766, 34.8045



30.9563, 32.9766, 16.2533

Rectangle

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



23.3964, 32.9766, 37.0303



26.3224, 32.9766, 59.6724



40.9122, 32.9766, 34.8045



36.9651, 32.9766, 19.4731

Sweetspot

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



23.3974, 32.9779, 37.0311



58.3355, 67.3518, 75.2046



19.7628, 31.6683, 11.3751



12.7694, 14.8982, 16.6689



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.3974, 32.9779, 37.0311



38.9426, 57.5890, 63.6942



19.0025, 22.1641, 41.8060



8.1864, 9.0521, 10.0065



14.9377, 23.5404, 24.5095



0.4288, 0.6602, 0.7514

Inverse Universe

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



20.8986, 14.1121, 10.6406



34.0655, 20.4836, 11.9755



23.2874, 19.7182, 8.8827



8.0501, 8.0333, 8.5748



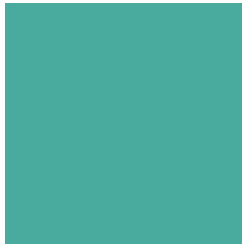
12.8007, 6.5828, 1.3297



0.3702, 0.1888, 0.1111

Previews

White Background



This preview shows how the XYZ color 23.3964, 32.9766, 37.0303 looks on a white background.

Color Contrast Check

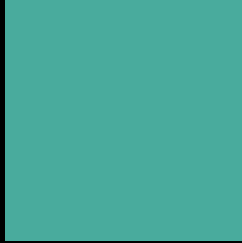
Large Text (above 18pt) WCAG AA × Fail

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 23.3964, 32.9766, 37.0303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

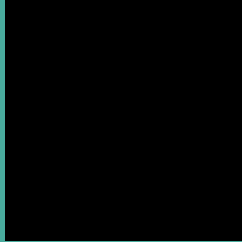
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3964, 32.9766, 37.0303

Background



This preview shows how black text looks on a background with the XYZ color 23.3964, 32.9766, 37.0303.

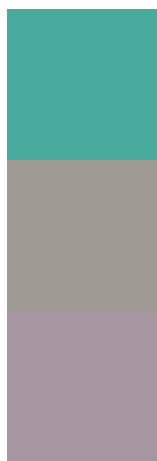


This preview shows how white text looks on a background with the XYZ color 23.3964, 32.9766,

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

23.3964, 32.9766, 37.0303

Protanopia

31.1201, 32.5887, 32.2538

Deuteranopia

33.1538, 32.5283, 38.7136



Tritanopia

25.6389, 32.7675, 48.6895

Trichromacy



Original Color

23.3964, 32.9766, 37.0303

Protanomaly

27.0588, 31.9652, 34.0219

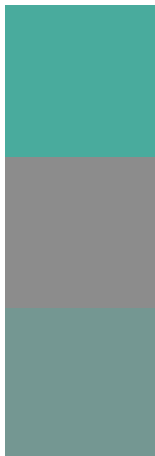
Deuteranomaly

28.0877, 31.8973, 37.9341

Tritanomaly

24.6735, 32.6461, 44.0306

Monochromacy



Original Color

23.3964, 32.9766, 37.0303

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.4574, 27.9215, 31.3472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3964, 32.9766, 37.0303 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(73, 171, 157)` looks like.

```
.text, #text, p{  
    color:rgb(73, 171, 157)  
}
```

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(73, 171, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 171, 157) }
```

Border

The CSS property to change the border of an element to XYZ 23.3964, 32.9766, 37.0303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

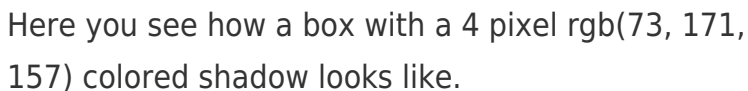
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(73, 171, 157) }
```


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

```
.border{ border-color:rgb(73, 171, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(73, 171, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 171, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 171, 157); box-shadow:4px 4px 4px 4px rgb(73, 171, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3964, 32.9766, 37.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 171, 157) }
```

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

```
.background{ background-color: rgb(73, 171,  
157) }
```

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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