

Converting Colors

XYZ(23.3872, 34.0079, 41.8908)

Have a look what the booklet for
XYZ(23.3872, 34.0079, 41.8908)
contains.

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Color

**XYZ(23.3872, 34.0079,
41.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	2DAFA7
RGB	45, 175, 167
RGB Percent	18%, 69%, 65%
CMY	0.8235, 0.3137, 0.3451
CMYK	0.74, 0.00, 0.05, 0.31
HSL	176°, 59%, 43%
HSV	176°, 74%, 69%
XYZ	23.3872, 34.0079, 41.8908
YIQ	135.2180, -74.9120, -30.0480

Conversions

Conversions Part 2

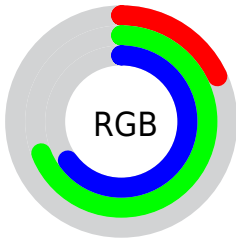
Format	Color
RYB	45, 112, 175
Decimal	2994087
CIELab	64.97, -35.69, -5.86
CIELCh	65, 36.165, 189.326
Yxy	34.0079, 0.2356, 0.3425
Android (android.graphics.Color)	4281184167 (0xFF2DAFA7)
YUV	135.2180, 15.6685, -79.1212
Hunter-Lab	58.3163, -30.4678, -1.7688




Details

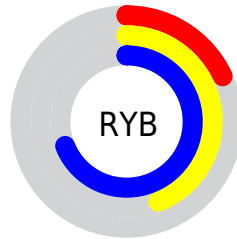
The XYZ color **23.3872, 34.0079, 41.8908** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.2613, 11.2487, 4.5252**, and the grayscale version is **23.0748, 24.2765, 26.4371**.




A 20% lighter version of the original color is **48.4428, 65.8705, 79.2683**, and **10.0540, 15.1569, 18.6153** is the 20% darker color. If you saturate the color by 10%, you get **22.6720, 33.6514, 41.3404**, and if you desaturate by 10%, it is **24.4243, 34.5318, 42.4622**.

Distribution







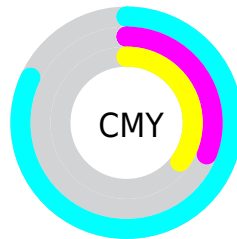
-  Red (18%)
-  Green (69%)
-  Blue (65%)






-  Red (18%)
-  Yellow (44%)
-  Blue (69%)



-  Cyan (74%)
-  Magenta (0%)
-  Yellow (5%)
-  Black (31%)





-  Cyan (82%)
-  Magenta (31%)
-  Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3872, 34.0079, 41.8908 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 23.3872, 34.0079, 41.8908 by changing the saturation by 10% instead.


 23.3872, 34.0079,
41.8908

 23.3872, 34.0079,
41.8908


262.2059,
320.1673, 369.8164


 15.0019, 22.8997,
28.6909


 48.4903, 65.9460,
79.3026


 8.9071, 14.5194,
18.6035


 65.9389, 87.5446,
104.3516


 4.7372, 8.4828,
11.2102


 87.1393, 113.4088,
134.1873

 2.1271, 4.4054,
6.0925

 112.4568,
143.9229, 169.2284

 0.7039, 1.9028,
2.8317

 142.2569,
179.4715, 209.8933

 0.0000, 0.5501,
1.0094

176.9049,

 0.0000, 0.0000,

220.4388, 256.6005

0.0000

216.7661,
267.2093, 309.7687

■ 23.3872, 34.0079,
41.8908

■ 23.3872, 34.0079,
41.8908

■ 22.6720, 33.6514,
41.3404

■ 24.4243, 34.5318,
42.4622

■ 22.2334, 33.4367,
40.8064

■ 25.8155, 35.2373,
43.0537

■ 22.0523, 33.3498,
40.5063

■ 27.5923, 36.1416,
43.6676

■ 29.7821, 37.2586,
44.3052

■ 32.4096, 38.6012,
44.9676

■ 35.4977, 40.1811,
45.6560

■ 39.0675, 42.0093,
46.3713

■ 43.1392, 44.0960,
47.1145

■ 47.7313, 46.4510,
47.8865

Harmonies

Analogous

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



23.8041, 34.0079, 27.7696



23.3872, 34.0079, 41.8908



25.1569, 34.0079, 58.4243

Triad

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



23.3872, 34.0079, 41.8908



39.1188, 34.0079, 64.0493



36.0025, 34.0079, 16.1027

Complementary

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



23.3872, 34.0079, 41.8908



19.2613, 11.2487, 4.5252

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.



40.7362, 34.0079, 21.6216



23.3872, 34.0079, 41.8908



42.6658, 34.0079, 48.1466

Square

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



23.3872, 34.0079, 41.8908



33.9793, 34.0079, 73.3045



43.2876, 34.0079, 32.5584



30.7223, 34.0079, 15.2720

Rectangle

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



23.3872, 34.0079, 41.8908



27.4634, 34.0079, 67.7049



43.2876, 34.0079, 32.5584



37.7255, 34.0079, 17.3827

Sweetspot

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



23.3882, 34.0092, 41.8916



59.0295, 69.6355, 80.7632



17.3082, 31.6259, 7.6755



12.8166, 15.3222, 17.8793



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3882, 34.0092, 41.8916



40.0592, 59.9986, 73.4348



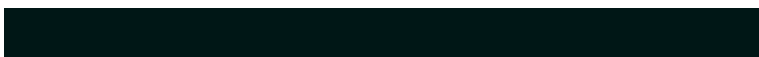
15.3784, 16.7689, 42.9851



8.2147, 9.0635, 10.1557



15.8001, 23.8853, 29.0508



0.4458, 0.6670, 0.8411

Inverse Universe

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



19.2613, 11.2487, 4.5252



32.3499, 17.1526, 3.3889



22.8403, 18.6770, 4.8845



8.0245, 8.0230, 8.4398



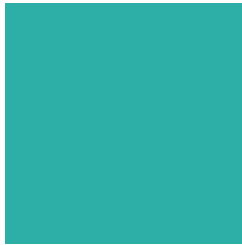
12.7114, 6.5471, 0.8597



0.3599, 0.1847, 0.0572

Previews

White Background



This preview shows how the XYZ color 23.3872, 34.0079, 41.8908 looks on a white background.

Color Contrast Check

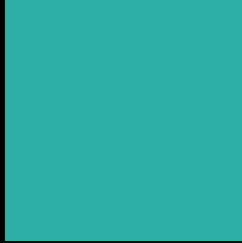
Large Text (above 18pt) WCAG AA × Fail

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 23.3872, 34.0079, 41.8908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

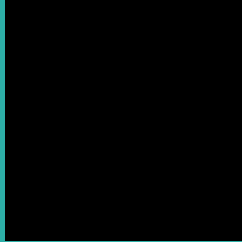
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3872, 34.0079, 41.8908

Background



This preview shows how black text looks on a background with the XYZ color 23.3872, 34.0079, 41.8908.

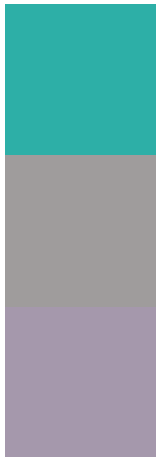


This preview shows how white text looks on a background with the XYZ color 23.3872, 34.0079,

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

23.3872, 34.0079, 41.8908

Protanopia

32.1873, 33.5482, 36.2315

Deuteranopia

34.1917, 33.4344, 43.6811



Tritanopia

25.3028, 33.9201, 51.6680

Trichromacy



Original Color

23.3872, 34.0079, 41.8908

Protanomaly

26.9136, 32.5840, 38.1286

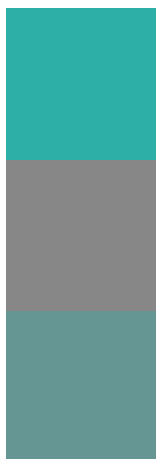
Deuteranomaly

27.7117, 32.1088, 42.7673

Tritanomaly

24.5485, 33.8987, 47.8971

Monochromacy



Original Color

23.3872, 34.0079, 41.8908

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.6523, 26.7441, 31.6247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3872, 34.0079, 41.8908 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(45, 175, 167)` looks like.

```
.text, #text, p{  
    color:rgb(45, 175, 167)  
}
```

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(45, 175, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 175, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.3872, 34.0079, 41.8908 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(45, 175, 167) }
```


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

```
.border{ border-color:rgb(45, 175, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 175, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 175, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 175, 167);  
box-shadow:4px 4px 4px 4px rgb(45, 175,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3872, 34.0079, 41.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 175, 167) }
```

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

```
.background{ background-color: rgb(45, 175,  
167) }
```

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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