

Converting Colors

XYZ(21.2532, 31.9979, 39.4811)

Have a look what the booklet for
XYZ(21.2532, 31.9979, 39.4811)
contains.

XYZ(21.3634, 32.1494, 39.7298)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.3634, 32.1494,
39.7298)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACA3
RGB	0, 172, 163
RGB Percent	0%, 67%, 64%
CMY	0.9999, 0.3255, 0.3608
CMYK	1.00, 0.00, 0.05, 0.33
HSL	177°, 100%, 34%
HSV	177°, 100%, 67%
XYZ	21.3634, 32.1494, 39.7298
YIQ	119.5460, -99.6230, -39.2630

Conversions

Conversions Part 2

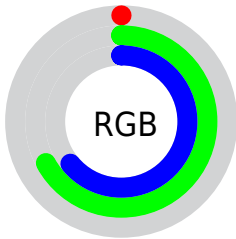
Format	Color
RYB	0, 88, 172
Decimal	44195
CIELab	63.47, -38.52, -5.91
CIElCh	63, 38.972, 188.716
Yxy	32.1494, 0.2291, 0.3448
Android (android.graphics.Color)	4278234275 (0xFF00ACA3)
YUV	119.5460, 21.4228, -104.8418
Hunter-Lab	56.7004, -31.9711, -1.8540

Details

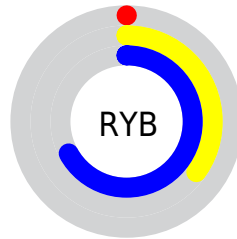
The XYZ color **21.3634, 32.1494, 39.7298** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.0636, 8.7914, 1.0569**, and the grayscale version is **17.6677, 18.5878, 20.2421**.

A 20% lighter version of the original color is **45.2222, 63.0356, 76.1133**, and **9.4661, 14.3413, 17.3082** is the 20% darker color. If you saturate the color by 10%, you get **21.3638, 32.1504, 39.7298**, and if you desaturate by 10%, it is **21.6803, 32.3041, 40.1680**.

Distribution



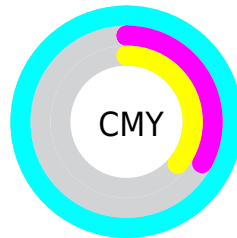
- Red (0%)
- Green (67%)
- Blue (64%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3634, 32.1494, 39.7298 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 21.3634, 32.1494, 39.7298 by changing the saturation by 10% instead.

■ 21.3634, 32.1494,
39.7298

■ 21.3634, 32.1494,
39.7298

■ 251.8988,
311.7993, 360.5016

■ 13.5039, 21.4756,
27.0158

■ 45.1783, 63.0452,
75.9845

■ 7.8558, 13.4721,
17.3525

■ 61.8644, 84.0361,
100.3622

■ 4.0538, 7.7544,
10.3215

■ 82.2233, 109.2348,
129.4648

■ 1.7326, 3.9382,
5.5043

■ 106.6205,
139.0256, 163.7110

■ 0.4766, 1.6391,
2.4822

■ 135.4213,
173.7931, 203.5192

■ 0.0000, 0.3837,
0.8307

■ 168.9910,

■ 0.0000, 0.0000,

213.9217, 249.3080

0.0000

207.6951,
259.7956, 301.4960

■ 21.3634, 32.1494,
39.7298

■ 21.3634, 32.1494,
39.7298

■ 21.3638, 32.1504,
39.7298

■ 21.6803, 32.3041,
40.1680

■ 22.2005, 32.5629,
40.6180

■ 23.0059, 32.9686,
41.0843

■ 24.1336, 33.5404,
41.5688

■ 25.6152, 34.2946,
42.0728

■ 27.4786, 35.2455,
42.5977

■ 29.7487, 36.4060,
43.1447

■ 32.4484, 37.7879,
43.7148

■ 35.5989, 39.4022,
44.3091

Harmonies

Analogous

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



21.8323, 32.1494, 25.2434



21.3634, 32.1494, 39.7298



23.1200, 32.1494, 57.2094

Triad

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



21.3634, 32.1494, 39.7298



37.5559, 32.1494, 63.8675



34.5016, 32.1494, 13.8970

Complementary

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



21.3634, 32.1494, 39.7298



17.0636, 8.7914, 1.0569

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.



39.4390, 32.1494, 19.4488



21.3634, 32.1494, 39.7298



41.3425, 32.1494, 47.0061

Square

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



21.3634, 32.1494, 39.7298



32.1650, 32.1494, 73.6107



42.0696, 32.1494, 30.6709



29.0036, 32.1494, 13.0027

Rectangle

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



21.3634, 32.1494, 39.7298



25.4546, 32.1494, 67.2415



42.0696, 32.1494, 30.6709



36.2994, 32.1494, 15.1800

Sweetspot

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



21.3644, 32.1506, 39.7306



53.7182, 65.9166, 78.2122



14.8978, 29.5807, 4.9253



11.2936, 14.1305, 16.9086



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.



21.3644, 32.1506, 39.7306



38.7297, 58.3131, 71.9354



11.7663, 11.6174, 40.6533



8.2180, 9.0647, 10.1727



15.9041, 23.9269, 29.5983



0.4478, 0.6678, 0.8517

Inverse Universe

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



17.0636, 8.7914, 1.0569



30.9294, 15.9372, 1.7857



19.4997, 13.7425, 1.6257



8.0216, 8.0219, 8.4246



12.7038, 6.5441, 0.8197



0.3588, 0.1842, 0.0511

Previews

White Background



This preview shows how the XYZ color 21.3634, 32.1494, 39.7298 looks on a white background.

Color Contrast Check

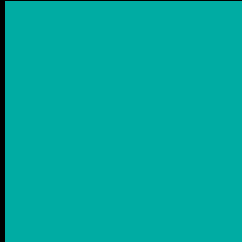
Large Text (above 18pt) WCAG AA × Fail

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 21.3634, 32.1494, 39.7298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

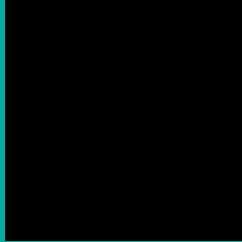
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

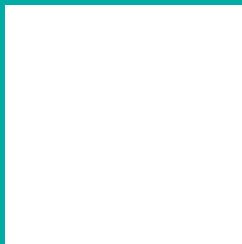
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3634, 32.1494, 39.7298

Background



This preview shows how black text looks on a background with the XYZ color 21.3634, 32.1494, 39.7298.



This preview shows how white text looks on a background with the XYZ color 21.3634, 32.1494,

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

21.3634, 32.1494, 39.7298

Protanopia

30.5245, 31.7588, 33.7994

Deuteranopia

32.3125, 31.7956, 41.4799



Tritanopia

23.5719, 32.2262, 49.7776

Trichromacy



Original Color

21.3634, 32.1494, 39.7298



Protanomaly

23.4601, 29.8155, 35.5288



Deuteranomaly

24.4194, 29.6919, 40.5205



Tritanomaly

22.6121, 32.0907, 46.0766

Monochromacy



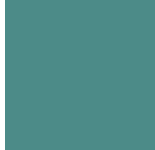
Original Color

21.3634, 32.1494, 39.7298



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.6570, 21.7793, 26.6185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3634, 32.1494, 39.7298 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, 172, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 163)  
}
```

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, 172, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.3634, 32.1494, 39.7298 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, 172, 163) }
```


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

```
.border{ border-color:rgb(0, 172, 163) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3634, 32.1494, 39.7298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 163) }
```

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

```
.background{ background-color: rgb(0, 172,  
163) }
```

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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