

Converting Colors

XYZ(22.4300, 32.4295, 37.2874)

Have a look what the booklet for
XYZ(22.4300, 32.4295, 37.2874)
contains.

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Color

**XYZ(22.4794, 32.4940,
37.4349)**

Conversions

Conversions Part 1

Format	Color
Hex	3AAB9E
RGB	58, 171, 158
RGB Percent	23%, 67%, 62%
CMY	0.7725, 0.3294, 0.3804
CMYK	0.66, 0.00, 0.08, 0.33
HSL	173°, 49%, 45%
HSV	173°, 66%, 67%
XYZ	22.4794, 32.4940, 37.4349
YIQ	135.7310, -63.1750, -27.9990

Conversions

Conversions Part 2

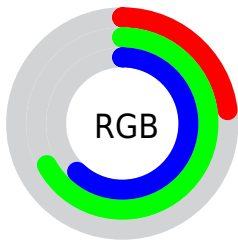
Format	Color
RYB	58, 118, 171
Decimal	3845022
CIELab	63.75, -34.54, -2.61
CIELCh	64, 34.636, 184.324
Yxy	32.4940, 0.2433, 0.3516
Android (android.graphics.Color)	4282035102 (0xFF3AAB9E)
YUV	135.7310, 10.9786, -68.1701
Hunter-Lab	57.0035, -29.3645, 0.9660

Details

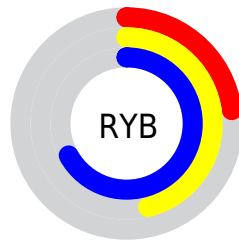
The XYZ color **22.4794, 32.4940, 37.4349** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.4461, 12.1399, 7.2808**, and the grayscale version is **23.2794, 24.4917, 26.6715**.

A 20% lighter version of the original color is **47.0871, 63.6642, 72.7575**, and **9.1323, 14.0184, 16.1344** is the 20% darker color. If you saturate the color by 10%, you get **21.4777, 31.9978, 36.5116**, and if you desaturate by 10%, it is **23.8158, 33.1640, 38.3895**.

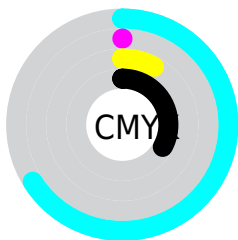
Distribution



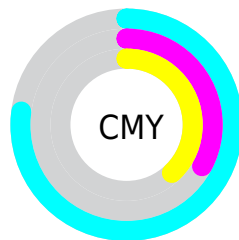
- Red (23%)
- Green (67%)
- Blue (62%)



- Red (23%)
- Yellow (46%)
- Blue (67%)



- Cyan (66%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)




- Cyan (77%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4794, 32.4940, 37.4349 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 22.4794, 32.4940, 37.4349 by changing the saturation by 10% instead.


 22.4794, 32.4940,
37.4349


 22.4794, 32.4940,
37.4349


257.6253,
313.3635, 350.4148


 14.3282, 21.7391,
25.2460


 47.0101, 63.5847,
72.4349


 8.4325, 13.6653,
16.0397


 64.1202, 84.6893,
96.0831


 4.4270, 7.8883,
9.3976


 84.9473, 110.0127,
124.3882

 1.9464, 4.0235,
4.9011

 109.8567,
139.9391, 157.7686

 0.6036, 1.6867,
2.1316

 139.2139,
174.8529, 196.6429

 0.0000, 0.4150,
0.6345

173.3842,

 0.0000, 0.0000,

215.1387, 241.4297

0.0000

212.7328,
261.1808, 292.5475

■ 22.4794, 32.4940,
37.4349

■ 22.4794, 32.4940,
37.4349

■ 21.4777, 31.9978,
36.5116

■ 23.8158, 33.1640,
38.3895

■ 20.7737, 31.6540,
35.6156

■ 25.5136, 34.0192,
39.3744

■ 20.3229, 31.4404,
34.7455

■ 27.6000, 35.0744,
40.3919

■ 20.1760, 31.3719,
34.4096

■ 30.0989, 36.3419,
41.4429

■ 33.0320, 37.8330,
42.5288

■ 36.4198, 39.5582,
43.6504

■ 40.2812, 41.5272,
44.8087

■ 44.6343, 43.7493,
46.0046

■ 49.4961, 46.2334,
47.2389

Harmonies

Analogous

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



23.2116, 32.4940, 25.0143



22.4794, 32.4940, 37.4349



23.7983, 32.4940, 52.6995

Triad

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



22.4794, 32.4940, 37.4349



36.4535, 32.4940, 62.3735



35.1087, 32.4940, 16.3402

Complementary

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



22.4794, 32.4940, 37.4349



19.4461, 12.1399, 7.2808

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.



39.2540, 32.4940, 22.3442



22.4794, 32.4940, 37.4349



40.0857, 32.4940, 48.2753

Square

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



22.4794, 32.4940, 37.4349



31.5938, 32.4940, 69.2986



41.1604, 32.4940, 33.4026



30.1860, 32.4940, 14.8557

Rectangle

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



22.4794, 32.4940, 37.4349



25.7537, 32.4940, 61.8470



41.1604, 32.4940, 33.4026



36.6554, 32.4940, 17.8024

Sweetspot

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



22.4803, 32.4953, 37.4357



56.8136, 66.5630, 75.3252



17.9397, 30.7792, 8.9992



12.3531, 14.6829, 16.6797



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.



22.4803, 32.4953, 37.4357



37.8582, 57.0068, 64.6894



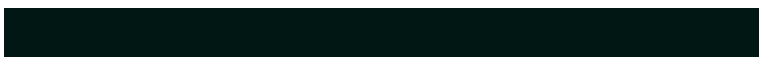
16.7746, 19.1970, 41.3507



8.1960, 9.0560, 10.0574



15.2215, 23.6539, 26.0041



0.4344, 0.6624, 0.7813

Inverse Universe

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



19.4461, 12.1399, 7.2808



32.0842, 17.9085, 7.0373



22.2440, 18.3336, 6.3701



8.0413, 8.0298, 8.5285



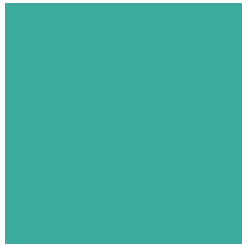
12.7643, 6.5683, 1.1382



0.3667, 0.1874, 0.0927

Previews

White Background



This preview shows how the XYZ color 22.4794, 32.4940, 37.4349 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 22.4794, 32.4940, 37.4349 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

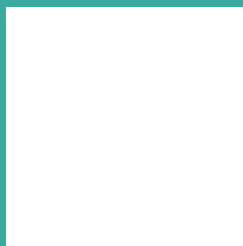
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4794, 32.4940, 37.4349

Background



This preview shows how black text looks on a background with the XYZ color 22.4794, 32.4940, 37.4349.

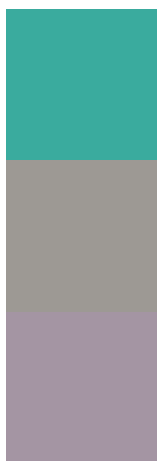


This preview shows how white text looks on a background with the XYZ color 22.4794, 32.4940,

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

22.4794, 32.4940, 37.4349

Protanopia

30.6412, 32.0887, 32.5957

Deuteranopia

32.6681, 32.0317, 39.1113



Tritanopia

24.7974, 32.6067, 48.7028

Trichromacy



Original Color

22.4794, 32.4940, 37.4349



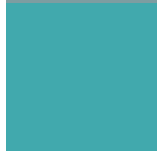
Protanomaly

26.1235, 31.4736, 34.4039



Deuteranomaly

26.9474, 31.0471, 38.2906



Tritanomaly

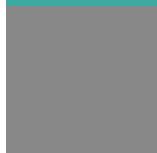
23.9108, 32.5169, 44.5513

Monochromacy



Original Color

22.4794, 32.4940, 37.4349



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.9658, 26.6967, 30.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4794, 32.4940, 37.4349 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(58, 171, 158)` looks like.

```
.text, #text, p{  
    color:rgb(58, 171, 158)  
}
```

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(58, 171, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 171, 158) }
```

Border

The CSS property to change the border of an element to XYZ 22.4794, 32.4940, 37.4349 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(58, 171, 158) }
```


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

```
.border{ border-color:rgb(58, 171, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 171, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 171, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 171, 158);  
box-shadow:4px 4px 4px 4px rgb(58, 171,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4794, 32.4940, 37.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 171, 158) }
```

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

```
.background{ background-color: rgb(58, 171,  
158) }
```

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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