

Converting Colors

XYZ(24.7432, 34.9642, 42.9850)

Have a look what the booklet for
XYZ(24.7432, 34.9642, 42.9850)
contains.

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Color

**XYZ(24.7367, 34.9720,
42.9826)**

Conversions

Conversions Part 1

Format	Color
Hex	3FB0A9
RGB	63, 176, 169
RGB Percent	25%, 69%, 66%
CMY	0.7529, 0.3098, 0.3373
CMYK	0.64, 0.00, 0.04, 0.31
HSL	176°, 47%, 47%
HSV	176°, 64%, 69%
XYZ	24.7367, 34.9720, 42.9826
YIQ	141.4150, -65.1010, -26.1330

Conversions

Conversions Part 2

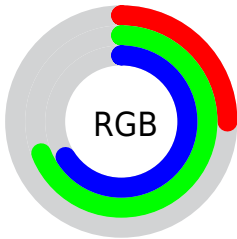
Format	Color
RYB	63, 121, 176
Decimal	4173993
CIELab	65.73, -33.04, -5.81
CIELCh	66, 33.547, 189.967
Yxy	34.9720, 0.2409, 0.3406
Android (android.graphics.Color)	4282364073 (0xFF3FB0A9)
YUV	141.4150, 13.5994, -68.7700
Hunter-Lab	59.1371, -28.8245, -1.6977

Details

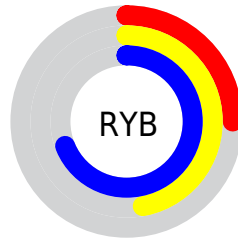
The XYZ color **24.7367, 34.9720, 42.9826** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.7887, 13.2285, 7.2533**, and the grayscale version is **25.4481, 26.7734, 29.1562**.

A 20% lighter version of the original color is **50.6233, 67.3801, 80.8585**, and **10.2938, 15.4503, 19.2693** is the 20% darker color. If you saturate the color by 10%, you get **23.6856, 34.4427, 42.4019**, and if you desaturate by 10%, it is **26.1500, 35.6895, 43.5863**.

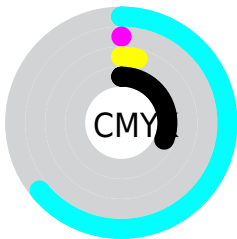
Distribution



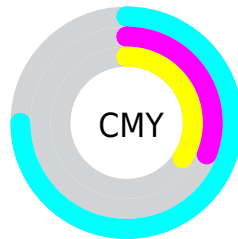
- Red (25%)
- Green (69%)
- Blue (66%)



- Red (25%)
- Yellow (47%)
- Blue (69%)



- Cyan (64%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)



- Cyan (75%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7367, 34.9720, 42.9826 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 24.7367, 34.9720, 42.9826 by changing the saturation by 10% instead.

■ 24.7367, 34.9720,
42.9826

■ 24.7367, 34.9720,
42.9826

268.8960,
324.4447, 374.4593

■ 16.0087, 23.6413,
29.5402

■ 50.6757, 67.4424,
80.9707

■ 9.6212, 15.0678,
19.2407

■ 68.6174, 89.3509,
106.3534

■ 5.2089, 8.8670,
11.6658

■ 90.3611, 115.5541,
136.5533

■ 2.4063, 4.6545,
6.3968

■ 116.2721,
146.4364, 171.9889

■ 0.8483, 2.0460,
3.0151

■ 146.7157,
182.3822, 213.0788

■ 0.0000, 0.6340,
1.1024

182.0573,

■ 0.0000, 0.0000,

223.7760, 260.2414

0.0000

222.6623,
271.0020, 313.8954

■ 24.7367, 34.9720,
42.9826

■ 24.7367, 34.9720,
42.9826

■ 23.6856, 34.4427,
42.4019

■ 26.1500, 35.6895,
43.5863

■ 22.9579, 34.0793,
41.8400

■ 27.9533, 36.6072,
44.2119

■ 22.5118, 33.8609,
41.2958

■ 30.1754, 37.7406,
44.8615

■ 22.3263, 33.7719,
40.9856

■ 32.8413, 39.1028,
45.5365

■ 35.9742, 40.7055,
46.2378

■ 39.5956, 42.5601,
46.9664

■ 43.7257, 44.6768,
47.7234

■ 48.3837, 47.0654,
48.5097

■ 53.5875, 49.7354,
49.3260

Harmonies

Analogous

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



25.0925, 34.9720, 29.5013



24.7367, 34.9720, 42.9826



26.4801, 34.9720, 58.3562

Triad

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



24.7367, 34.9720, 42.9826



39.7205, 34.9720, 62.9569



36.6001, 34.9720, 17.8163

Complementary

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



24.7367, 34.9720, 42.9826



20.7887, 13.2285, 7.2533

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.



41.0620, 34.9720, 23.1442



24.7367, 34.9720, 42.9826



42.9836, 34.9720, 48.1754

Square

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



24.7367, 34.9720, 42.9826



34.9108, 34.9720, 71.6365



43.4974, 34.9720, 33.5625



31.6231, 34.9720, 17.0824

Rectangle

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



24.7367, 34.9720, 42.9826



28.7099, 34.9720, 66.8101



43.4974, 34.9720, 33.5625



38.2228, 34.9720, 19.0528

Sweetspot

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



24.7377, 34.9733, 42.9834



62.2193, 72.2766, 83.1985



18.9881, 32.7329, 10.0209



13.1478, 15.4916, 17.9539



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.



24.7377, 34.9733, 42.9834



42.3418, 62.1576, 76.4738



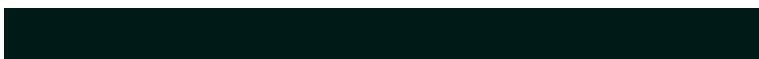
17.4813, 19.3802, 43.8951



8.7195, 9.6223, 10.7823



16.3886, 24.7814, 30.1130



0.5225, 0.7824, 0.9833

Inverse Universe

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



20.7887, 13.2285, 7.2533



34.6541, 19.6342, 6.7743



24.5935, 21.1714, 7.4939



8.5170, 8.5135, 8.9550



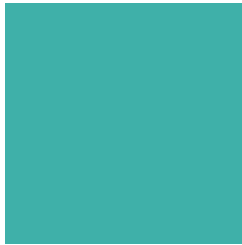
13.1888, 6.7931, 0.8883



0.4220, 0.2165, 0.0649

Previews

White Background



This preview shows how the XYZ color 24.7367, 34.9720, 42.9826 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 24.7367, 34.9720, 42.9826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

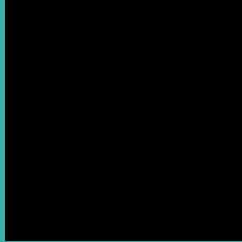
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7367, 34.9720, 42.9826

Background



This preview shows how black text looks on a background with the XYZ color 24.7367, 34.9720, 42.9826.

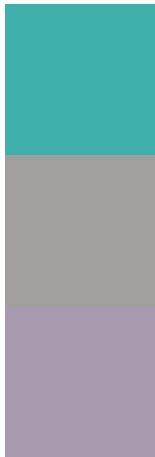


This preview shows how white text looks on a background with the XYZ color 24.7367, 34.9720,

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

24.7367, 34.9720, 42.9826

Protanopia

33.0964, 34.4994, 37.2624

Deuteranopia

35.1319, 34.3827, 44.8293



Tritanopia

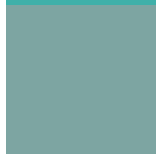
26.5857, 34.8527, 52.3397

Trichromacy



Original Color

24.7367, 34.9720, 42.9826



Protanomaly

28.4342, 33.8789, 39.2231



Deuteranomaly

29.4200, 33.4863, 43.9426



Tritanomaly

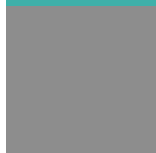
25.8285, 34.8326, 48.5421

Monochromacy



Original Color

24.7367, 34.9720, 42.9826



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.9516, 28.8563, 33.5856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7367, 34.9720, 42.9826 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(63, 176, 169)` looks like.

```
.text, #text, p{  
    color:rgb(63, 176, 169)  
}
```

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(63, 176, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 176, 169) }
```

Border

The CSS property to change the border of an element to XYZ 24.7367, 34.9720, 42.9826 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(63, 176, 169) }
```


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

```
.border{ border-color:rgb(63, 176, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 176, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 176, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 176, 169);  
box-shadow:4px 4px 4px 4px rgb(63, 176,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7367, 34.9720, 42.9826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 176, 169) }
```

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

```
.background{ background-color: rgb(63, 176,  
169) }
```

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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