

Converting Colors

XYZ(24.0636, 34.4452, 37.9184)

Have a look what the booklet for
XYZ(24.0636, 34.4452, 37.9184)
contains.

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Color

**XYZ(24.0273, 34.4307,
37.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	46AF9E
RGB	70, 175, 158
RGB Percent	27%, 69%, 62%
CMY	0.7255, 0.3137, 0.3804
CMYK	0.60, 0.00, 0.10, 0.31
HSL	170°, 43%, 48%
HSV	170°, 60%, 69%
XYZ	24.0273, 34.4307, 37.7272
YIQ	141.6670, -57.1230, -27.5470

Conversions

Conversions Part 2

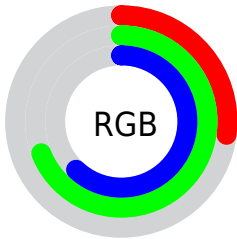
Format	Color
RYB	70, 127, 175
Decimal	4632478
CIELab	65.30, -34.29, -0.30
CIELCh	65, 34.296, 180.495
Yxy	34.4307, 0.2498, 0.3580
Android (android.graphics.Color)	4282822558 (0xFF46AF9E)
YUV	141.6670, 8.0522, -62.8520
Hunter-Lab	58.6777, -29.5939, 2.9535

Details

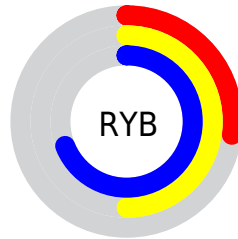
The XYZ color **24.0273, 34.4307, 37.7272** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.5908, 14.1833, 10.6176**, and the grayscale version is **25.5659, 26.8973, 29.2912**.

A 20% lighter version of the original color is **49.6394, 66.6231, 73.1941**, and **9.6134, 14.9806, 16.2948** is the 20% darker color. If you saturate the color by 10%, you get **22.7033, 33.7768, 36.4072**, and if you desaturate by 10%, it is **25.7267, 35.2791, 39.0956**.

Distribution



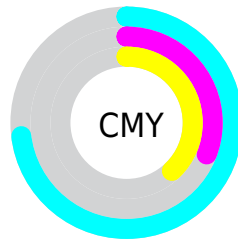
- Red (27%)
- Green (69%)
- Blue (62%)



- Red (27%)
- Yellow (50%)
- Blue (69%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)



- Cyan (73%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0273, 34.4307, 37.7272 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 24.0273, 34.4307, 37.7272 by changing the saturation by 10% instead.

■ 24.0273, 34.4307,
37.7272

■ 24.0273, 34.4307,
37.7272

265.3964,
322.0483, 351.7113

■ 15.4787, 23.2247,
25.4708

■ 49.5291, 66.6029,
72.8886

■ 9.2445, 14.7595,
16.2060

■ 67.2130, 88.3378,
96.6307

■ 4.9594, 8.6508,
9.5141

■ 88.6728, 114.3512,
125.0385

■ 2.2580, 4.5141,
4.9766

■ 114.2737,
145.0274, 158.5305

■ 0.7730, 1.9651,
2.1751

■ 144.3812,
180.7508, 197.5252

■ 0.0000, 0.5871,
0.6599

179.3605,

■ 0.0000, 0.0000,

221.9058, 242.4412

0.0000

219.5772,
268.8769, 293.6971

■ 24.0273, 34.4307,
37.7272

■ 24.0273, 34.4307,
37.7272

■ 22.7033, 33.7768,
36.4072

■ 25.7267, 35.2791,
39.0956

■ 21.7187, 33.2965,
35.1316

■ 27.8277, 36.3330,
40.5116

■ 21.0357, 32.9710,
33.8990

■ 30.3574, 37.6073,
41.9774

■ 20.5709, 32.7573,
32.7054

■ 33.3396, 39.1142,
43.4944

■ 20.5709, 32.7573,
32.7053

■ 36.7967, 40.8652,
45.0637

■ 40.7492, 42.8710,
46.6864

■ 45.2166, 45.1416,
48.3638

■ 50.2174, 47.6864,
50.0968

■ 55.7689, 50.5144,
51.8865

Harmonies

Analogous

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



25.0554, 34.4307, 25.5046



24.0273, 34.4307, 37.7272



25.1249, 34.4307, 53.2579

Triad

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



24.0273, 34.4307, 37.7272



37.8471, 34.4307, 66.5493



37.6891, 34.4307, 18.2787

Complementary

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



24.0273, 34.4307, 37.7272



21.5908, 14.1833, 10.6176

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.



41.7221, 34.4307, 25.1877



24.0273, 34.4307, 37.7272



41.8196, 34.4307, 52.7397

Square

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



24.0273, 34.4307, 37.7272



32.8084, 34.4307, 72.2852



43.3038, 34.4307, 37.2522



32.6425, 34.4307, 16.1565

Rectangle

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



24.0273, 34.4307, 37.7272



26.9859, 34.4307, 62.9798



43.3038, 34.4307, 37.2522



39.2259, 34.4307, 20.0141

Sweetspot

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



24.0283, 34.4320, 37.7280



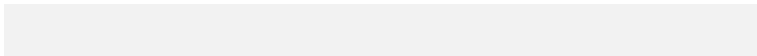
60.6919, 70.5474, 78.3614



20.4138, 33.1539, 11.1184



13.1214, 15.4937, 17.2406



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.



24.0283, 34.4320, 37.7280



40.0232, 60.1788, 64.4514



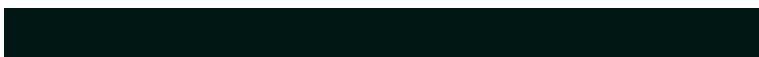
19.6428, 23.1546, 43.9930



8.1798, 9.0495, 9.9717



14.7499, 23.4652, 23.5206



0.4250, 0.6586, 0.7313

Inverse Universe

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



21.5908, 14.1833, 10.6176



35.3163, 20.6768, 11.8035



23.8374, 19.6604, 8.3334



8.0562, 8.0357, 8.6066



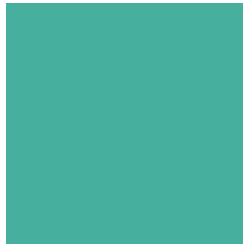
12.8293, 6.5943, 1.4806



0.3726, 0.1897, 0.1237

Previews

White Background



This preview shows how the XYZ color 24.0273, 34.4307, 37.7272 looks on a white background.

Color Contrast Check

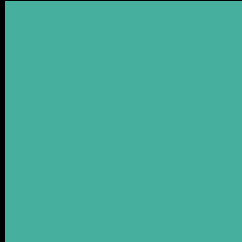
Large Text (above 18pt) WCAG AA × Fail

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 24.0273, 34.4307, 37.7272 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

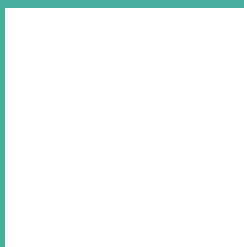
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0273, 34.4307, 37.7272

Background



This preview shows how black text looks on a background with the XYZ color 24.0273, 34.4307, 37.7272.



This preview shows how white text looks on a background with the XYZ color 24.0273, 34.4307,

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

24.0273, 34.4307, 37.7272

Protanopia

32.5065, 34.0386, 32.8738

Deuteranopia

34.5797, 33.9729, 39.3852



Tritanopia

26.7132, 34.3779, 51.1266

Trichromacy



Original Color

24.0273, 34.4307, 37.7272

Protanomaly

27.9962, 33.4850, 34.6935

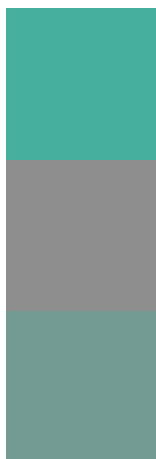
Deuteranomaly

29.0094, 33.1313, 38.5842

Tritanomaly

25.5510, 34.1780, 45.8078

Monochromacy



Original Color

24.0273, 34.4307, 37.7272

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.1034, 28.9623, 32.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0273, 34.4307, 37.7272 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(70, 175, 158)` looks like.

```
.text, #text, p{  
    color:rgb(70, 175, 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(70, 175, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 175, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.0273, 34.4307, 37.7272 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(70, 175, 158) }
```


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

```
.border{ border-color:rgb(70, 175, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 175, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 175, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 175, 158);  
box-shadow:4px 4px 4px 4px rgb(70, 175,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0273, 34.4307, 37.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 175, 158) }
```

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

```
.background{ background-color: rgb(70, 175,  
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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