

Converting Colors

XYZ(24.4462, 39.3444, 37.8478)

Have a look what the booklet for
XYZ(24.4462, 39.3444, 37.8478)
contains.

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Color

**XYZ(24.4142, 39.2272,
37.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	00BE9C
RGB	0, 190, 156
RGB Percent	0%, 75%, 61%
CMY	0.9999, 0.2549, 0.3882
CMYK	1.00, 0.00, 0.18, 0.25
HSL	169°, 100%, 37%
HSV	169°, 100%, 75%
XYZ	24.4142, 39.2272, 37.7373
YIQ	129.3140, -102.3260, -50.8540

Conversions

Conversions Part 2

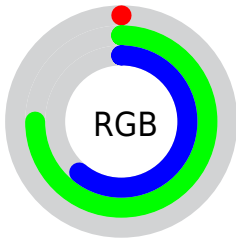
Format	Color
RYB	0, 104, 190
Decimal	48796
CIELab	68.92, -48.18, 5.92
CIELCh	69, 48.540, 172.995
Yxy	39.2272, 0.2408, 0.3869
Android (android.graphics.Color)	4278238876 (0xFF00BE9C)
YUV	129.3140, 13.1562, -113.4084
Hunter-Lab	62.6316, -40.0249, 8.1183

Details

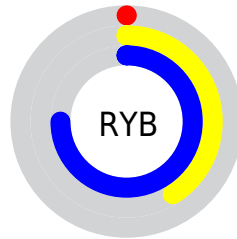
The XYZ color **24.4142, 39.2272, 37.7373** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.5254, 11.0637, 2.5165**, and the grayscale version is **20.9605, 22.0521, 24.0147**.

A 20% lighter version of the original color is **50.0392, 73.8273, 72.5855**, and **11.2138, 18.3479, 16.3151** is the 20% darker color. If you saturate the color by 10%, you get **24.4146, 39.2284, 37.7361**, and if you desaturate by 10%, it is **24.9761, 39.4841, 39.2889**.

Distribution



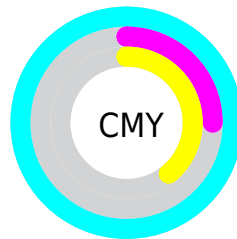
- Red (0%)
- Green (75%)
- Blue (61%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4142, 39.2272, 37.7373 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 24.4142, 39.2272, 37.7373 by changing the saturation by 10% instead.


 24.4142, 39.2272,
37.7373


 24.4142, 39.2272,
37.7373


267.3097,
342.8555, 351.7560


 15.7676, 26.9365,
25.4786

 50.1550, 73.9853,
72.9043


 9.4496, 17.5256,
16.2117


 67.9800, 97.2215,
96.6496


 5.0950, 10.6099,
9.5181


 89.5950, 124.8749,
125.0609

 2.3385, 5.8052,
4.9793

 115.3655,
157.3301, 158.5568

 0.8142, 2.7270,
2.1766

 145.6569,
194.9713, 197.5557

 0.0000, 0.9909,
0.6608

180.8345,

 0.0000, 0.0000,

238.1830, 242.4761

0.0000

221.2636,
287.3496, 293.7368

■ 24.4142, 39.2272,
37.7373

■ 24.4142, 39.2272,
37.7373

■ 24.4146, 39.2284,
37.7361

■ 24.9761, 39.4841,
39.2889

■ 25.8076, 39.8780,
40.8948

■ 27.0046, 40.4595,
42.5604

■ 28.6150, 41.2531,
44.2885

■ 30.6795, 42.2799,
46.0813

■ 33.2338, 43.5581,
47.9407

■ 36.3098, 45.1044,
49.8686

■ 39.9370, 46.9338,
51.8667

■ 44.1425, 49.0604,
53.9365

Harmonies

Analogous

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



26.6486, 39.2272, 21.9051



24.4142, 39.2272, 37.7373



25.2284, 39.2272, 61.5498

Triad

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



24.4142, 39.2272, 37.7373



43.3845, 39.2272, 94.9686



46.9441, 39.2272, 16.9755

Complementary

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



24.4142, 39.2272, 37.7373



21.5254, 11.0637, 2.5165

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.



52.6742, 39.2272, 28.1726



24.4142, 39.2272, 37.7373



50.4291, 39.2272, 73.7235

Square

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



24.4142, 39.2272, 37.7373



35.5043, 39.2272, 100.2749



54.0303, 39.2272, 48.1052



39.1228, 39.2272, 12.8996

Rectangle

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



24.4142, 39.2272, 37.7373



27.4530, 39.2272, 78.7257



54.0303, 39.2272, 48.1052



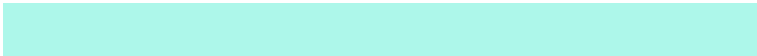
49.2203, 39.2272, 19.7977

Sweetspot

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



24.4153, 39.2287, 37.7382



65.4948, 81.5811, 90.1887



19.1025, 37.1830, 6.1710



13.8378, 17.6406, 19.4742



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.4153, 39.2287, 37.7382



44.1569, 71.0514, 67.9370



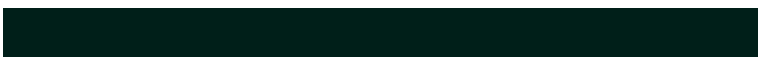
17.2568, 19.6417, 51.5986



9.7333, 10.7794, 11.8451



16.2600, 26.0943, 25.2298



0.6564, 1.0299, 1.0909

Inverse Universe

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



21.5254, 11.0637, 2.5165



38.9410, 20.0217, 4.2217



22.8617, 14.1988, 1.5364



9.5980, 9.5635, 10.2722



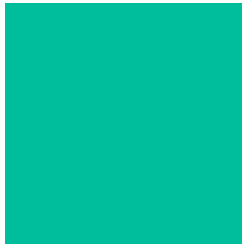
14.3334, 7.3645, 1.7833



0.5831, 0.2971, 0.1839

Previews

White Background



This preview shows how the XYZ color 24.4142, 39.2272, 37.7373 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 24.4142, 39.2272, 37.7373 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

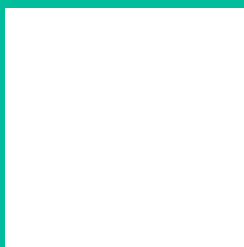
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4142, 39.2272, 37.7373

Background



This preview shows how black text looks on a background with the XYZ color 24.4142, 39.2272, 37.7373.

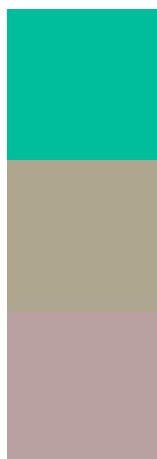


This preview shows how white text looks on a background with the XYZ color 24.4142, 39.2272, 37.7373.

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

24.4142, 39.2272, 37.7373

Protanopia

36.3495, 38.4000, 31.8817

Deuteranopia

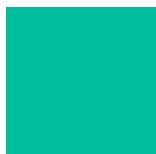
39.2740, 38.4127, 39.5268



Tritanopia

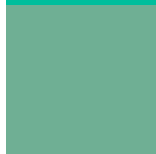
29.0802, 39.2453, 60.0752

Trichromacy



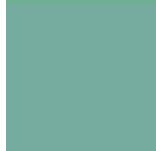
Original Color

24.4142, 39.2272, 37.7373



Protanomaly

27.2308, 36.1776, 33.5647



Deuteranomaly

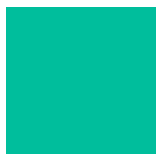
28.5689, 35.8947, 38.6803



Tritanomaly

26.8337, 38.9118, 50.8962

Monochromacy



Original Color

24.4142, 39.2272, 37.7373



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2065, 25.7911, 28.3920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4142, 39.2272, 37.7373 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, 190, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 156)  
}
```

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, 190, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.4142, 39.2272, 37.7373 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, 190, 156) }
```


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

```
.border{ border-color:rgb(0, 190, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 190, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4142, 39.2272, 37.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 156) }
```

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

```
.background{ background-color: rgb(0, 190,  
156) }
```

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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