

Converting Colors

XYZ(24.3314, 37.8776, 41.3580)

Have a look what the booklet for
XYZ(24.3314, 37.8776, 41.3580)
contains.

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Color

**XYZ(24.2597, 37.7981,
41.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAA4
RGB	0, 186, 164
RGB Percent	0%, 73%, 64%
CMY	0.9999, 0.2706, 0.3569
CMYK	1.00, 0.00, 0.12, 0.27
HSL	173°, 100%, 36%
HSV	173°, 100%, 73%
XYZ	24.2597, 37.7981, 41.1391
YIQ	127.8780, -103.7940, -46.2740

Conversions

Conversions Part 2

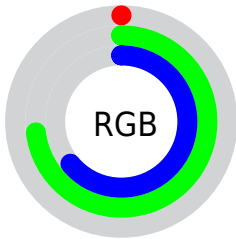
Format	Color
RYB	0, 99, 186
Decimal	47780
CIELab	67.87, -44.35, 0.02
CIELCh	68, 44.350, 179.975
Yxy	37.7981, 0.2351, 0.3663
Android (android.graphics.Color)	4278237860 (0xFF00BAA4)
YUV	127.8780, 17.8081, -112.1490
Hunter-Lab	61.4802, -37.1553, 3.3625

Details

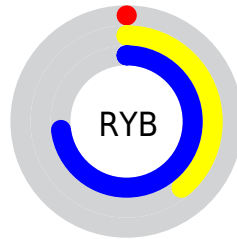
The XYZ color **24.2597, 37.7981, 41.1391** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.3957, 10.4980, 1.7118**, and the grayscale version is **20.4447, 21.5094, 23.4237**.

A 20% lighter version of the original color is **49.9824, 71.8683, 78.2555**, and **11.1759, 17.6724, 18.1513** is the 20% darker color. If you saturate the color by 10%, you get **24.2602, 37.7993, 41.1385**, and if you desaturate by 10%, it is **24.7223, 38.0143, 42.2081**.

Distribution



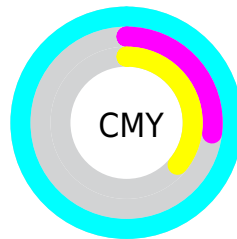
- Red (0%)
- Green (73%)
- Blue (64%)



- Red (0%)
- Yellow (39%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2597, 37.7981, 41.1391 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 24.2597, 37.7981, 41.1391 by changing the saturation by 10% instead.

■ 24.2597, 37.7981,
41.1391

■ 24.2597, 37.7981,
41.1391

266.5470,
336.7531, 366.5955

■ 15.6522, 25.8260,
28.1073

■ 49.9053, 71.7986,
78.1510

■ 9.3676, 16.6935,
18.1668

■ 67.6740, 94.5958,
102.9681

■ 5.0408, 10.0162,
10.8991

■ 89.2271, 121.7701,
132.5507

■ 2.3062, 5.4097,
5.8857

■ 114.9301,
153.7060, 167.3174

■ 0.7978, 2.4896,
2.7081

■ 145.1482,
190.7879, 207.6867

■ 0.0000, 0.8714,
0.9475

180.2468,

■ 0.0000, 0.0000,

233.4001, 254.0771

0.0000

220.5913,
281.9270, 306.9072

■ 24.2597, 37.7981,
41.1391

■ 24.2597, 37.7981,
41.1391

■ 24.2602, 37.7993,
41.1385

■ 24.7223, 38.0143,
42.2081

■ 25.4360, 38.3587,
43.3059

■ 26.4936, 38.8799,
44.4381

■ 27.9403, 39.6014,
45.6066

■ 29.8147, 40.5429,
46.8135

■ 32.1505, 41.7218,
48.0603

■ 34.9781, 43.1539,
49.3486

■ 38.3253, 44.8535,
50.6799

■ 42.2179, 46.8338,
52.0552

Harmonies

Analogous

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



25.6512, 37.7981, 24.9670



24.2597, 37.7981, 41.1391



25.6465, 37.7981, 63.1217

Triad

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



24.2597, 37.7981, 41.1391



42.9451, 37.7981, 83.4439



42.9564, 37.7981, 16.3056

Complementary

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



24.2597, 37.7981, 41.1391



20.3957, 10.4980, 1.7118

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.



48.6397, 37.7981, 24.9876



24.2597, 37.7981, 41.1391



48.6326, 37.7981, 63.1600

Square

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



24.2597, 37.7981, 41.1391



35.9202, 37.7981, 91.8233



50.8363, 37.7981, 41.1723



35.9318, 37.7981, 13.7152

Rectangle

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



24.2597, 37.7981, 41.1391



28.0758, 37.7981, 77.4959



50.8363, 37.7981, 41.1723



45.1179, 37.7981, 18.4357

Sweetspot

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



24.2608, 37.7995, 41.1400



63.1138, 78.0725, 89.3234



17.9562, 35.3235, 5.8725



13.4001, 16.9402, 19.4509



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.2608, 37.7995, 41.1400



43.9121, 68.4874, 74.2501



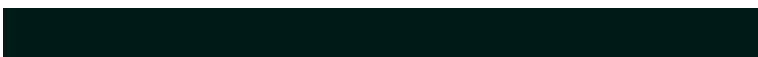
15.3198, 16.4579, 48.8252



9.2197, 10.1919, 11.3143



16.3391, 25.4366, 27.7713



0.5890, 0.9019, 1.0476

Inverse Universe

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



20.3957, 10.4980, 1.7118



36.9214, 19.0085, 2.8634



22.3308, 14.6001, 1.6419



9.0467, 9.0290, 9.5932



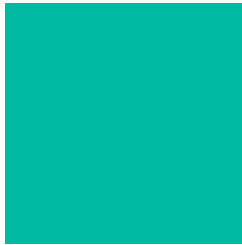
13.7359, 7.0681, 1.2300



0.4984, 0.2549, 0.1182

Previews

White Background



This preview shows how the XYZ color 24.2597, 37.7981, 41.1391 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 24.2597, 37.7981, 41.1391 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

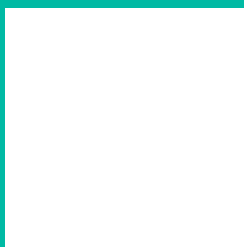
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2597, 37.7981, 41.1391

Background



This preview shows how black text looks on a background with the XYZ color 24.2597, 37.7981, 41.1391.

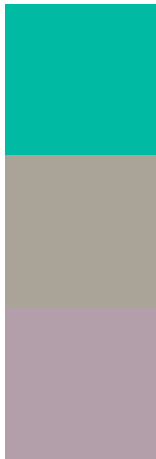


This preview shows how white text looks on a background with the XYZ color 24.2597, 37.7981,

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

24.2597, 37.7981, 41.1391

Protanopia

35.5205, 37.3640, 35.0456

Deuteranopia

38.0139, 37.1635, 43.1999



Tritanopia

27.7543, 37.6862, 58.0359

Trichromacy



Original Color

24.2597, 37.7981, 41.1391



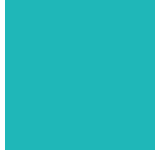
Protanomaly

26.9376, 35.0935, 36.8064



Deuteranomaly

28.0659, 34.7138, 42.2670



Tritanomaly

26.1503, 37.6190, 51.2303

Monochromacy



Original Color

24.2597, 37.7981, 41.1391



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.9485, 25.1673, 29.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2597, 37.7981, 41.1391 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, 186, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 164)  
}
```

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, 186, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.2597, 37.7981, 41.1391 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, 186, 164) }
```


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

```
.border{ border-color:rgb(0, 186, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2597, 37.7981, 41.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 164) }
```

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

```
.background{ background-color: rgb(0, 186,  
164) }
```

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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