

Converting Colors

XYZ(7.0232, 23.2790, 40.8613)

Have a look what the booklet for
XYZ(7.0232, 23.2790, 40.8613)
contains.

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Color

**XYZ(20.7938, 30.4275,
41.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7A7
RGB	0, 167, 167
RGB Percent	0%, 65%, 65%
CMY	0.9999, 0.3451, 0.3451
CMYK	1.00, 0.00, 0.00, 0.35
HSL	180°, 100%, 33%
HSV	180°, 100%, 65%
XYZ	20.7938, 30.4275, 41.3364
YIQ	117.0670, -99.5320, -35.4040

Conversions

Conversions Part 2

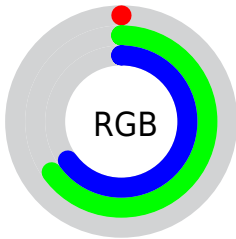
Format	Color
RYB	0, 84, 167
Decimal	42919
CIELab	62.02, -35.02, -10.30
CIELCh	62, 36.503, 196.386
Yxy	30.4275, 0.2247, 0.3287
Android (android.graphics.Color)	4278232999 (0xFF00A7A7)
YUV	117.0670, 24.6170, -102.6678
Hunter-Lab	55.1611, -29.2438, -5.8177

Details

The XYZ color **20.7938, 30.4275, 41.3364** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.9374, 8.2165, 0.7468**, and the grayscale version is **16.8806, 17.7597, 19.3403**.

A 20% lighter version of the original color is **44.2918, 60.4822, 78.4470**, and **9.1118, 13.2724, 18.3012** is the 20% darker color. If you saturate the color by 10%, you get **20.7944, 30.4284, 41.3371**, and if you desaturate by 10%, it is **21.0207, 30.5451, 41.3478**.

Distribution



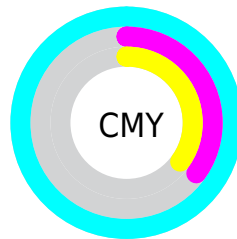
- Red (0%)
- Green (65%)
- Blue (65%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7938, 30.4275, 41.3364 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 20.7938, 30.4275, 41.3364 by changing the saturation by 10% instead.

20.7938, 30.4275,
41.3364

20.7938, 30.4275,
41.3364

248.9331,
303.8921, 367.4428

13.0850, 20.1633,
28.2604

44.2380, 60.3376,
78.4535

7.5645, 12.5138,
18.2813

60.7040, 80.7523,
103.3317

3.8670, 7.0946,
10.9806

80.8198, 105.3192,
132.9809

1.6272, 3.5213,
5.9398

104.9508,
134.4229, 167.8198

0.4100, 1.4096,
2.7403

133.4623,
168.4476, 208.2669

0.0000, 0.2238,
0.9636

166.7196,

0.0000, 0.0000,

207.7778, 254.7408

0.0000

205.0881,
252.7978, 307.6599

■ 20.7938, 30.4275,
41.3364

■ 20.7938, 30.4275,
41.3364

■ 20.7944, 30.4284,
41.3371

■ 21.0207, 30.5451,
41.3478

■ 21.4354, 30.7589,
41.3672

■ 22.1162, 31.1099,
41.3992

■ 23.0976, 31.6158,
41.4452

■ 24.4087, 32.2917,
41.5066

■ 26.0756, 33.1510,
41.5847

■ 28.1214, 34.2056,
41.6805

■ 30.5674, 35.4666,
41.7950

■ 33.4334, 36.9441,
41.9292

Harmonies

Analogous

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



20.6993, 30.4275, 27.1790



20.7938, 30.4275, 41.3364



22.8987, 30.4275, 56.7447

Triad

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



20.7938, 30.4275, 41.3364



36.2885, 30.4275, 55.4340



31.1941, 30.4275, 13.2231

Complementary

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



20.7938, 30.4275, 41.3364



15.9374, 8.2165, 0.7468

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.



35.9149, 30.4275, 17.1886



20.7938, 30.4275, 41.3364



39.0727, 30.4275, 39.8926

Square

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



20.7938, 30.4275, 41.3364



31.6593, 30.4275, 66.3261



38.9287, 30.4275, 26.0893



26.3442, 30.4275, 13.4070

Rectangle

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



20.7938, 30.4275, 41.3364



25.3098, 30.4275, 64.4961



38.9287, 30.4275, 26.0893



32.8591, 30.4275, 14.0533

Sweetspot

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



20.7947, 30.4286, 41.3371



50.1378, 61.1425, 74.6341



13.8546, 27.6566, 4.6089



10.8722, 13.5033, 16.6854



80.6108, 84.8088, 92.3568



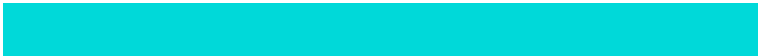
14.7206, 15.4872, 16.8656

Same Dimension

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



20.7947, 30.4286, 41.3371



37.2401, 54.4936, 74.0297



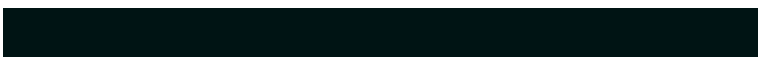
10.3274, 9.4937, 37.8486



7.7476, 8.5321, 9.6568



15.9115, 23.2834, 31.6305



0.3871, 0.5665, 0.7696

Inverse Universe

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



15.9374, 8.2165, 0.7468



28.5410, 14.7134, 1.3357



18.8597, 14.0611, 1.7209



7.5311, 7.5423, 7.8482



12.1947, 6.2866, 0.5707



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 20.7938, 30.4275, 41.3364 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 20.7938, 30.4275, 41.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

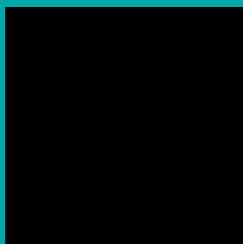
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

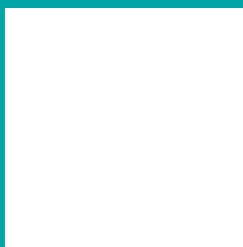
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7938, 30.4275, 41.3364

Background



This preview shows how black text looks on a background with the XYZ color 20.7938, 30.4275, 41.3364.

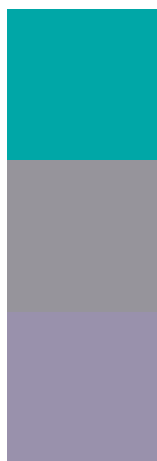


This preview shows how white text looks on a background with the XYZ color 20.7938, 30.4275,

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

20.7938, 30.4275, 41.3364

Protanopia

29.0840, 30.0304, 35.2739

Deuteranopia

30.7087, 30.0017, 43.2021



Tritanopia

22.1272, 30.4410, 47.3573

Trichromacy



Original Color

20.7938, 30.4275, 41.3364



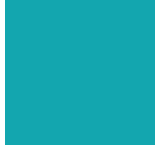
Protanomaly

22.6987, 28.3788, 37.0822



Deuteranomaly

23.5767, 28.2261, 42.2358



Tritanomaly

21.6426, 30.5060, 45.3050

Monochromacy



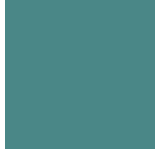
Original Color

20.7938, 30.4275, 41.3364



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.8612, 20.5331, 26.0490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7938, 30.4275, 41.3364 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, 167, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 167)  
}
```

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, 167, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.7938, 30.4275, 41.3364 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, 167, 167) }
```


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

```
.border{ border-color:rgb(0, 167, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7938, 30.4275, 41.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 167) }
```

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

```
.background{ background-color: rgb(0, 167,  
167) }
```

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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