

Converting Colors

XYZ(20.2460, 30.7235, 43.0219)

Have a look what the booklet for
XYZ(20.2460, 30.7235, 43.0219)
contains.

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Color

**XYZ(21.4437, 31.2782,
42.9373)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9AA
RGB	0, 169, 170
RGB Percent	0%, 66%, 67%
CMY	0.9999, 0.3372, 0.3333
CMYK	1.00, 0.01, 0.00, 0.33
HSL	180°, 100%, 33%
HSV	180°, 100%, 67%
XYZ	21.4437, 31.2782, 42.9373
YIQ	118.5830, -101.0450, -35.5170

Conversions

Conversions Part 2

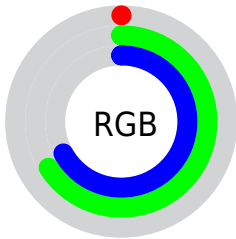
Format	Color
RYB	0, 85, 170
Decimal	43434
CIELab	62.74, -35.02, -10.90
CIELCh	63, 36.677, 197.292
Yxy	31.2782, 0.2242, 0.3270
Android (android.graphics.Color)	4278233514 (0xFF00A9AA)
YUV	118.5830, 25.3486, -103.9973
Hunter-Lab	55.9269, -29.4310, -6.3704

Details

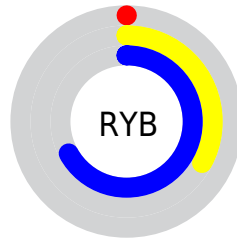
The XYZ color **21.4437, 31.2782, 42.9373** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.5892, 8.5687, 0.7806**, and the grayscale version is **17.3521, 18.2557, 19.8805**.

A 20% lighter version of the original color is **45.3397, 61.7735, 80.7680**, and **9.5154, 13.7988, 19.3015** is the 20% darker color. If you saturate the color by 10%, you get **21.4442, 31.2791, 42.9380**, and if you desaturate by 10%, it is **21.6946, 31.4358, 42.9551**.

Distribution



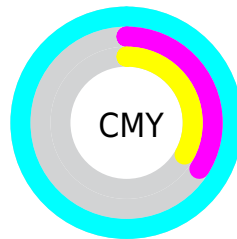
- Red (0%)
- Green (66%)
- Blue (67%)



- Red (0%)
- Yellow (33%)
- Blue (67%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4437, 31.2782, 42.9373 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 21.4437, 31.2782, 42.9373 by changing the saturation by 10% instead.

■ 21.4437, 31.2782,
42.9373

■ 21.4437, 31.2782,
42.9373

■ 252.3145,
307.8179, 374.2675

■ 13.5630, 20.8108,
29.5049

■ 45.3105, 61.6778,
80.9016

■ 7.8970, 12.9858,
19.2142

■ 62.0274, 82.3788,
106.2705

■ 4.0804, 7.4187,
11.6468

■ 82.4204, 107.2597,
136.4554

■ 1.7477, 3.7253,
6.3841

■ 106.8549,
136.7051, 171.8747

■ 0.4859, 1.5211,
3.0074

■ 135.6962,
171.0991, 212.9471

■ 0.0000, 0.3035,
1.0984

■ 169.3096,

■ 0.0000, 0.0000,

210.8264, 260.0909

0.0000

208.0606,
256.2712, 313.7249

■ 21.4437, 31.2782,
42.9373

■ 21.4437, 31.2782,
42.9373

■ 21.4442, 31.2791,
42.9380

■ 21.6946, 31.4358,
42.9551

■ 22.1423, 31.6942,
42.9814

■ 22.8671, 32.0955,
43.0206

■ 23.9051, 32.6583,
43.0745

■ 25.2869, 33.3983,
43.1445

■ 27.0395, 34.3296,
43.2319

■ 29.1874, 35.4645,
43.3378

■ 31.7526, 36.8147,
43.4632

■ 34.7558, 38.3907,
43.6091

Harmonies

Analogous

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



21.2836, 31.2782, 28.3384



21.4437, 31.2782, 42.9373



23.6595, 31.2782, 58.6314

Triad

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



21.4437, 31.2782, 42.9373



37.3881, 31.2782, 56.4178



31.8999, 31.2782, 13.6037

Complementary

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



21.4437, 31.2782, 42.9373



16.5892, 8.5687, 0.7806

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.



36.7567, 31.2782, 17.5344



21.4437, 31.2782, 42.9373



40.1565, 31.2782, 40.4966

Square

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



21.4437, 31.2782, 42.9373



32.6867, 31.2782, 67.7931



39.9132, 31.2782, 26.4936



26.9553, 31.2782, 13.9159

Rectangle

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



21.4437, 31.2782, 42.9373



26.1615, 31.2782, 66.3912



39.9132, 31.2782, 26.4936



33.6069, 31.2782, 14.4130

Sweetspot

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



21.4447, 31.2794, 42.9381



52.7168, 64.2192, 78.6190



14.3756, 28.7502, 4.7927



11.3840, 14.1248, 17.5140



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.4447, 31.2794, 42.9381



38.9015, 56.7395, 77.9034



10.5062, 9.4024, 39.2919



7.7437, 8.5244, 9.6556



15.7759, 23.0120, 31.5858



0.3850, 0.5622, 0.7689

Inverse Universe

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



23.7398, 11.4116, 38.4887



43.0690, 20.7022, 69.8160



19.8279, 15.0461, 1.8602



7.8400, 7.6659, 9.4746



17.4635, 8.3941, 28.3163



0.4255, 0.2045, 0.6920

Previews

White Background



This preview shows how the XYZ color 21.4437, 31.2782, 42.9373 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 21.4437, 31.2782, 42.9373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

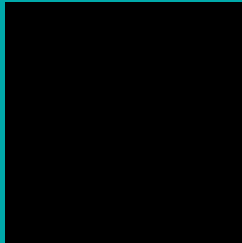
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

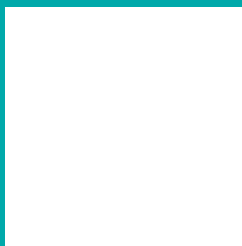
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4437, 31.2782, 42.9373

Background



This preview shows how black text looks on a background with the XYZ color 21.4437, 31.2782, 42.9373.

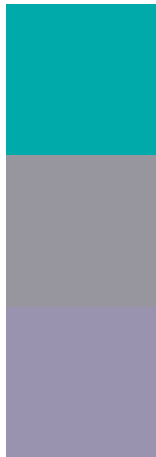


This preview shows how white text looks on a background with the XYZ color 21.4437, 31.2782,

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

21.4437, 31.2782, 42.9373

Protanopia

29.8404, 30.8606, 36.7317

Deuteranopia

31.4980, 30.8326, 44.8486



Tritanopia

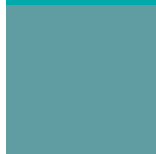
22.6946, 31.2496, 48.5517

Trichromacy



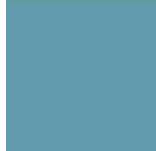
Original Color

21.4437, 31.2782, 42.9373



Protanomaly

23.4024, 29.2094, 38.5870



Deuteranomaly

24.3012, 29.0565, 43.8628



Tritanomaly

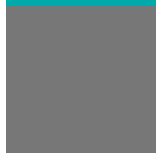
22.2070, 31.3180, 46.4695

Monochromacy



Original Color

21.4437, 31.2782, 42.9373



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.5136, 21.2628, 27.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4437, 31.2782, 42.9373 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, 169, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 170)  
}
```

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, 169, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.4437, 31.2782, 42.9373 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, 169, 170) }
```


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

```
.border{ border-color:rgb(0, 169, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4437, 31.2782, 42.9373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 170) }
```

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

```
.background{ background-color: rgb(0, 169,  
170) }
```

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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