

Converting Colors

XYZ(14.6243, 27.8314, 43.2404)

Have a look what the booklet for
XYZ(14.6243, 27.8314, 43.2404)
contains.

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Color

**XYZ(21.5387, 31.3162,
43.4375)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9AB
RGB	0, 169, 171
RGB Percent	0%, 66%, 67%
CMY	0.9999, 0.3372, 0.3294
CMYK	1.00, 0.01, 0.00, 0.33
HSL	181°, 100%, 34%
HSV	181°, 100%, 67%
XYZ	21.5387, 31.3162, 43.4375
YIQ	118.6970, -101.3660, -35.2060

Conversions

Conversions Part 2

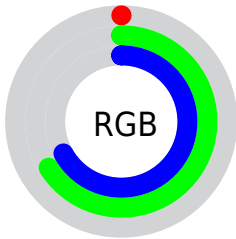
Format	Color
RYB	0, 85, 171
Decimal	43435
CIELab	62.77, -34.71, -11.41
CIELCh	63, 36.536, 198.204
Yxy	31.3162, 0.2237, 0.3252
Android (android.graphics.Color)	4278233515 (0xFF00A9AB)
YUV	118.6970, 25.7854, -104.0973
Hunter-Lab	55.9609, -29.2289, -6.8490

Details

The XYZ color **21.5387, 31.3162, 43.4375** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8171, 8.7023, 0.7944**, and the grayscale version is **17.3868, 18.2923, 19.9203**.

A 20% lighter version of the original color is **45.4766, 61.8282, 81.4887**, and **9.5752, 13.8227, 19.6161** is the 20% darker color. If you saturate the color by 10%, you get **21.5391, 31.3170, 43.4382**, and if you desaturate by 10%, it is **21.8100, 31.5120, 43.4616**.

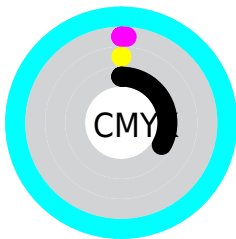
Distribution



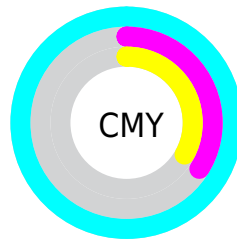
- Red (0%)
- Green (66%)
- Blue (67%)



- 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 21.5387, 31.3162, 43.4375 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 21.5387, 31.3162, 43.4375 by changing the saturation by 10% instead.


 21.5387, 31.3162,
43.4375

 21.5387, 31.3162,
43.4375


252.8056,
307.9924, 376.3819


 13.6330, 20.8397,
29.8946


 45.4669, 61.7376,
81.6641


 7.9459, 13.0069,
19.5072


 62.2202, 82.4512,
107.1848


 4.1118, 7.4333,
11.8568


 82.6534, 107.3461,
137.5353

 1.7656, 3.7345,
6.5249

 107.1319,
136.8066, 173.1340

 0.4968, 1.5262,
3.0929

 136.0210,
171.2171, 214.3994

 0.0000, 0.3071,
1.1423

 169.6861,

 0.0000, 0.0000,

210.9620, 261.7502

0.0000

208.4925,
256.4256, 315.6048

■ 21.5387, 31.3162,
43.4375

■ 21.5387, 31.3162,
43.4375

■ 21.5391, 31.3170,
43.4382

■ 21.8100, 31.5120,
43.4616

■ 22.2812, 31.8103,
43.4943

■ 23.0333, 32.2534,
43.5402

■ 24.1029, 32.8603,
43.6010

■ 25.5212, 33.6470,
43.6781

■ 27.3154, 34.6277,
43.7728

■ 29.5103, 35.8150,
43.8863

■ 32.1285, 37.2206,
44.0196

■ 35.1908, 38.8552,
44.1737

Harmonies

Analogous

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



21.3154, 31.3162, 28.7763



21.5387, 31.3162, 43.4375



23.8095, 31.3162, 59.0030

Triad

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



21.5387, 31.3162, 43.4375



37.5185, 31.3162, 55.9230



31.7729, 31.3162, 13.6317

Complementary

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



21.5387, 31.3162, 43.4375



16.8171, 8.7023, 0.7944

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.



36.6392, 31.3162, 17.4220



21.5387, 31.3162, 43.4375



40.1962, 31.3162, 40.0384

Square

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



21.5387, 31.3162, 43.4375



32.8689, 31.3162, 67.4881



39.8575, 31.3162, 26.2035



26.8631, 31.3162, 14.0683

Rectangle

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



21.5387, 31.3162, 43.4375



26.3381, 31.3162, 66.5624



39.8575, 31.3162, 26.2035



33.4772, 31.3162, 14.3978

Sweetspot

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



21.5397, 31.3174, 43.4383



52.6144, 64.0145, 78.5848



14.5638, 29.1266, 4.8555



11.3582, 14.0730, 17.5054



82.5889, 86.8899, 94.6231



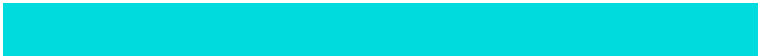
15.4596, 16.2647, 17.7123

Same Dimension

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



21.5397, 31.3174, 43.4383



38.5631, 56.0627, 77.7906



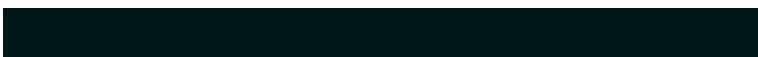
10.6408, 9.5196, 39.8053



8.2282, 9.0558, 10.2670



16.2400, 23.6138, 32.7465



0.4543, 0.6619, 0.9118

Inverse Universe

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



23.9569, 11.5235, 38.4989



42.8982, 20.6339, 68.9166



20.0845, 15.2371, 1.8835



8.3330, 8.1464, 10.0643



18.0608, 8.6869, 29.0294



0.5037, 0.2422, 0.8142

Previews

White Background



This preview shows how the XYZ color 21.5387, 31.3162, 43.4375 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 21.5387, 31.3162, 43.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

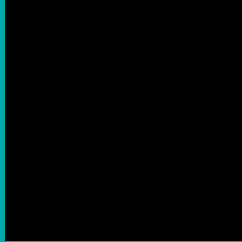
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5387, 31.3162, 43.4375

Background



This preview shows how black text looks on a background with the XYZ color 21.5387, 31.3162, 43.4375.

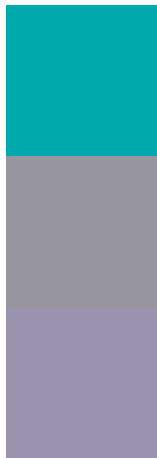


This preview shows how white text looks on a background with the XYZ color 21.5387, 31.3162,

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

21.5387, 31.3162, 43.4375

Protanopia

29.9269, 30.8952, 37.1869

Deuteranopia

31.5966, 30.8721, 45.3679



Tritanopia

22.6659, 31.2348, 48.5504

Trichromacy



Original Color

21.5387, 31.3162, 43.4375

Protanomaly

23.4917, 29.2451, 39.0571

Deuteranomaly

24.3983, 29.0954, 44.3744

Tritanomaly

22.1879, 31.3082, 46.4686

Monochromacy



Original Color

21.5387, 31.3162, 43.4375

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 21.5387, 31.3162, 43.4375 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, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 171)  
}
```

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, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 171) }
```

Border

The CSS property to change the border of an element to XYZ 21.5387, 31.3162, 43.4375 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, 171) }
```


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

```
.border{ border-color:rgb(0, 169, 171) }
```

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, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5387, 31.3162, 43.4375 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, 171) }
```

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

```
.background{ background-color: rgb(0, 169,  
171) }
```

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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