

Converting Colors

XYZ(18.9589, 31.1813, 41.0215)

Have a look what the booklet for
XYZ(18.9589, 31.1813, 41.0215)
contains.

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Color

**XYZ(21.8265, 32.6403,
41.2262)**

Conversions

Conversions Part 1

Format	Color
Hex	00ADA6
RGB	0, 173, 166
RGB Percent	0%, 68%, 65%
CMY	0.9999, 0.3216, 0.3490
CMYK	1.00, 0.00, 0.04, 0.32
HSL	178°, 100%, 34%
HSV	178°, 100%, 68%
XYZ	21.8265, 32.6403, 41.2262
YIQ	120.4750, -100.8610, -38.8530

Conversions

Conversions Part 2

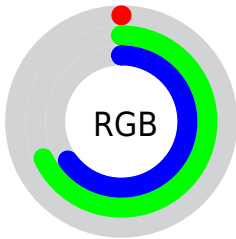
Format	Color
RYB	0, 88, 173
Decimal	44454
CIELab	63.87, -38.08, -6.98
CIELCh	64, 38.711, 190.394
Yxy	32.6403, 0.2281, 0.3411
Android (android.graphics.Color)	4278234534 (0xFF00ADA6)
YUV	120.4750, 22.4438, -105.6566
Hunter-Lab	57.1317, -31.7866, -2.7915

Details

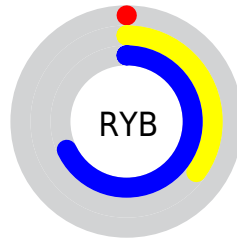
The XYZ color **21.8265, 32.6403, 41.2262** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.2730, 8.9006, 1.0095**, and the grayscale version is **17.9614, 18.8968, 20.5786**.

A 20% lighter version of the original color is **45.8943, 63.7459, 78.2919**, and **9.7537, 14.6478, 18.2328** is the 20% darker color. If you saturate the color by 10%, you get **21.8270, 32.6413, 41.2264**, and if you desaturate by 10%, it is **22.1286, 32.7893, 41.5774**.

Distribution



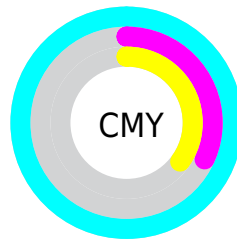
- Red (0%)
- Green (68%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8265, 32.6403, 41.2262 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 21.8265, 32.6403, 41.2262 by changing the saturation by 10% instead.

■ 21.8265, 32.6403,
41.2262

■ 21.8265, 32.6403,
41.2262

■ 254.2883,
314.0258, 366.9697

■ 13.8454, 21.8510,
28.1748

■ 45.9401, 63.8135,
78.2846

■ 8.0942, 13.7475,
18.2173

■ 62.8032, 84.9663,
103.1286

■ 4.2076, 7.9452,
10.9351

■ 83.3577, 110.3424,
132.7407

■ 1.8202, 4.0599,
5.9096

■ 107.9689,
140.3261, 167.5393

■ 0.5298, 1.7071,
2.7223

■ 137.0023,
175.3019, 207.9429

■ 0.0000, 0.4283,
0.9546

■ 170.8230,

■ 0.0000, 0.0000,

215.6542, 254.3702

0.0000

209.7966,
261.7674, 307.2396

■ 21.8265, 32.6403,
41.2262

■ 21.8265, 32.6403,
41.2262

■ 21.8270, 32.6413,
41.2264

■ 22.1286, 32.7893,
41.5774

■ 22.6370, 33.0439,
41.9392

■ 23.4340, 33.4473,
42.3165

■ 24.5576, 34.0189,
42.7108

■ 26.0396, 34.7753,
43.1238

■ 27.9083, 35.7310,
43.5567

■ 30.1891, 36.8991,
44.0107

■ 32.9052, 38.2916,
44.4870

■ 36.0781, 39.9196,
44.9864

Harmonies

Analogous

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



22.1724, 32.6403, 26.4015



21.8265, 32.6403, 41.2262



23.7163, 32.6403, 58.7162

Triad

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



21.8265, 32.6403, 41.2262



38.3118, 32.6403, 63.6025



34.6694, 32.6403, 14.1223

Complementary

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



21.8265, 32.6403, 41.2262



17.2730, 8.9006, 1.0095

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.



39.6962, 32.6403, 19.4401



21.8265, 32.6403, 41.2262



41.9634, 32.6403, 46.5752

Square

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



21.8265, 32.6403, 41.2262



32.9504, 32.6403, 73.9225



42.4977, 32.6403, 30.4018



29.1735, 32.6403, 13.4595

Rectangle

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



21.8265, 32.6403, 41.2262



26.1353, 32.6403, 68.4868



42.4977, 32.6403, 30.4018



36.4864, 32.6403, 15.3309

Sweetspot

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



21.8275, 32.6415, 41.2270



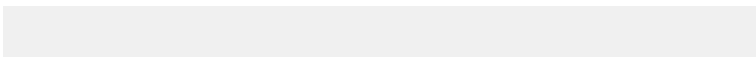
53.8248, 65.9592, 78.7737



15.0529, 29.9442, 4.9873



11.3198, 14.1410, 17.0465



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.



21.8275, 32.6415, 41.2270



39.0698, 58.4492, 73.7264



11.6505, 11.2316, 41.0903



8.2221, 9.0664, 10.1947



16.0399, 23.9812, 30.3136



0.4504, 0.6688, 0.8655

Inverse Universe

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



17.2730, 8.9006, 1.0095



30.9144, 15.9312, 1.7065



19.9493, 14.3146, 1.7124



8.0179, 8.0204, 8.4050



12.6940, 6.5402, 0.7682



0.3573, 0.1836, 0.0433

Previews

White Background



This preview shows how the XYZ color 21.8265, 32.6403, 41.2262 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 21.8265, 32.6403, 41.2262 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

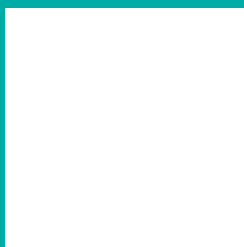
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8265, 32.6403, 41.2262

Background



This preview shows how black text looks on a background with the XYZ color 21.8265, 32.6403, 41.2262.

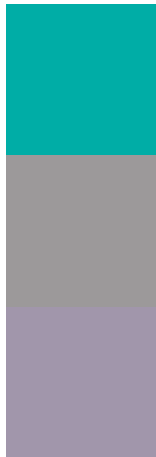


This preview shows how white text looks on a background with the XYZ color 21.8265, 32.6403,

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

21.8265, 32.6403, 41.2262

Protanopia

30.9343, 32.1835, 35.1535

Deuteranopia

32.9550, 32.3300, 43.0315



Tritanopia

23.7894, 32.6035, 50.3867

Trichromacy



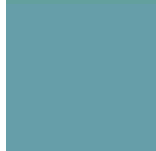
Original Color

21.8265, 32.6403, 41.2262



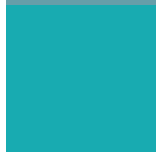
Protanomaly

23.8880, 30.2629, 36.9300



Deuteranomaly

24.8678, 30.1431, 42.0436



Tritanomaly

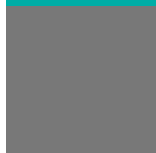
22.8754, 32.4943, 46.6613

Monochromacy



Original Color

21.8265, 32.6403, 41.2262



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.7285, 21.8079, 26.9946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8265, 32.6403, 41.2262 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, 173, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 166)  
}
```

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, 173, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.8265, 32.6403, 41.2262 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, 173, 166) }
```


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

```
.border{ border-color:rgb(0, 173, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8265, 32.6403, 41.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 166) }
```

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

```
.background{ background-color: rgb(0, 173,  
166) }
```

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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