

Converting Colors

XYZ(21.3792, 31.8070, 40.8880)

Have a look what the booklet for
XYZ(21.3792, 31.8070, 40.8880)
contains.

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Color

**XYZ(21.4458, 31.8790,
41.0993)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABA6
RGB	0, 171, 166
RGB Percent	0%, 67%, 65%
CMY	0.9999, 0.3294, 0.3490
CMYK	1.00, 0.00, 0.03, 0.33
HSL	178°, 100%, 34%
HSV	178°, 100%, 67%
XYZ	21.4458, 31.8790, 41.0993
YIQ	119.3010, -100.3110, -37.8070

Conversions

Conversions Part 2

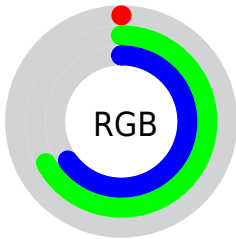
Format	Color
RYB	0, 87, 171
Decimal	43942
CIELab	63.24, -37.17, -7.91
CIELCh	63, 38.002, 192.021
Yxy	31.8790, 0.2271, 0.3376
Android (android.graphics.Color)	4278234022 (0xFF00ABA6)
YUV	119.3010, 23.0226, -104.6270
Hunter-Lab	56.4615, -31.0079, -3.6352

Details

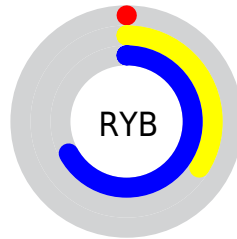
The XYZ color **21.4458, 31.8790, 41.0993** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8230, 8.6698, 0.9311**, and the grayscale version is **17.5847, 18.5005, 20.1470**.

A 20% lighter version of the original color is **45.3441, 62.6454, 78.1085**, and **9.5157, 14.1718, 18.1535** is the 20% darker color. If you saturate the color by 10%, you get **21.4464, 31.8800, 41.0997**, and if you desaturate by 10%, it is **21.7258, 32.0188, 41.3532**.

Distribution



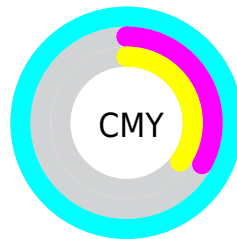
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4458, 31.8790, 41.0993 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 21.4458, 31.8790, 41.0993 by changing the saturation by 10% instead.

■ 21.4458, 31.8790,
41.0993

■ 21.4458, 31.8790,
41.0993

■ 252.3254,
310.5677, 366.4244

■ 13.5646, 21.2691,
28.0764

■ 45.3140, 62.6214,
78.0899

■ 7.8981, 13.3208,
18.1437

■ 62.0317, 83.5226,
102.8947

■ 4.0811, 7.6499,
10.8827

■ 82.4256, 108.6231,
132.4639

■ 1.7481, 3.8717,
5.8748

■ 106.8610,
138.3071, 167.2160

■ 0.4861, 1.6021,
2.7016

■ 135.7034,
172.9593, 207.5696

■ 0.0000, 0.3590,
0.9442

■ 169.3180,

■ 0.0000, 0.0000,

212.9638, 253.9431

0.0000

208.0702,
258.7051, 306.7552

■ 21.4458, 31.8790,
41.0993

■ 21.4458, 31.8790,
41.0993

■ 21.4464, 31.8800,
41.0997

■ 21.7258, 32.0188,
41.3532

■ 22.2057, 32.2608,
41.6166

■ 22.9667, 32.6477,
41.8941

■ 24.0452, 33.1984,
42.1874

■ 25.4724, 33.9287,
42.4979

■ 27.2758, 34.8530,
42.8270

■ 29.4800, 35.9839,
43.1758

■ 32.1075, 37.3329,
43.5454

■ 35.1794, 38.9110,
43.9367

Harmonies

Analogous

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



21.6626, 31.8790, 26.5162



21.4458, 31.8790, 41.0993



23.3907, 31.8790, 57.9333

Triad

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



21.4458, 31.8790, 41.0993



37.5866, 31.8790, 60.9805



33.5301, 31.8790, 13.8071

Complementary

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



21.4458, 31.8790, 41.0993



16.8230, 8.6698, 0.9311

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.



38.4513, 31.8790, 18.7082



21.4458, 31.8790, 41.0993



40.9734, 31.8790, 44.4406

Square

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



21.4458, 31.8790, 41.0993



32.4555, 31.8790, 71.4451



41.3070, 31.8790, 29.0212



28.2422, 31.8790, 13.3899

Rectangle

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



21.4458, 31.8790, 41.0993



25.7987, 31.8790, 67.0868



41.3070, 31.8790, 29.0212



35.2967, 31.8790, 14.9008

Sweetspot

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



21.4468, 31.8802, 41.1001



52.5611, 64.3229, 77.2882



14.6352, 29.1638, 4.8585



11.3447, 14.1510, 17.1777



82.5889, 86.8899, 94.6231



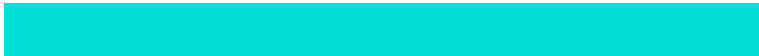
15.4596, 16.2647, 17.7123

Same Dimension

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



21.4468, 31.8802, 41.1001



38.3936, 57.0877, 73.5285



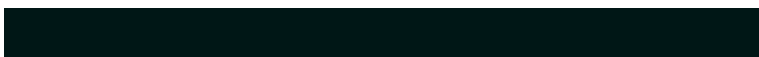
11.1106, 10.4592, 39.9626



8.2261, 9.0680, 10.2154



16.1704, 24.0334, 31.0008



0.4529, 0.6698, 0.8786

Inverse Universe

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



16.8230, 8.6698, 0.9311



30.1138, 15.5201, 1.5949



19.6504, 14.3685, 1.7384



8.0144, 8.0190, 8.3866



12.6848, 6.5365, 0.7195



0.3559, 0.1830, 0.0359

Previews

White Background



This preview shows how the XYZ color 21.4458, 31.8790, 41.0993 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 21.4458, 31.8790, 41.0993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

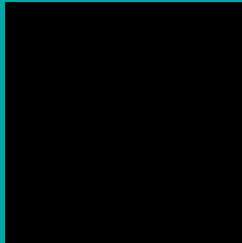
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4458, 31.8790, 41.0993

Background



This preview shows how black text looks on a background with the XYZ color 21.4458, 31.8790, 41.0993.

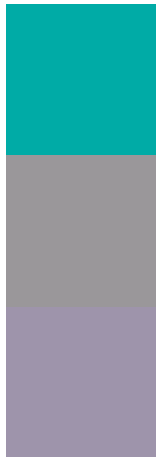


This preview shows how white text looks on a background with the XYZ color 21.4458, 31.8790,

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

21.4458, 31.8790, 41.0993

Protanopia

30.2258, 31.3363, 35.0273

Deuteranopia

32.0411, 31.3892, 42.8980



Tritanopia

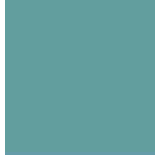
23.3246, 32.1107, 49.2246

Trichromacy



Original Color

21.4458, 31.8790, 41.0993



Protanomaly

23.4354, 29.5190, 36.8103



Deuteranomaly

24.4167, 29.4082, 41.9256



Tritanomaly

22.5421, 32.0546, 46.0734

Monochromacy



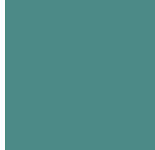
Original Color

21.4458, 31.8790, 41.0993



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.5129, 21.4910, 26.5704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4458, 31.8790, 41.0993 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, 171, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 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, 171, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.4458, 31.8790, 41.0993 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, 171, 166) }
```


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

```
.border{ border-color:rgb(0, 171, 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, 171, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4458, 31.8790, 41.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 166) }
```

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

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