

Converting Colors

XYZ(12.5523, 28.1233, 40.4714)

Have a look what the booklet for
XYZ(12.5523, 28.1233, 40.4714)
contains.

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Color

**XYZ(21.9276, 32.9887,
40.8091)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEA5
RGB	0, 174, 165
RGB Percent	0%, 68%, 65%
CMY	0.9999, 0.3176, 0.3529
CMYK	1.00, 0.00, 0.05, 0.32
HSL	177°, 100%, 34%
HSV	177°, 100%, 68%
XYZ	21.9276, 32.9887, 40.8091
YIQ	120.9480, -100.8150, -39.6870

Conversions

Conversions Part 2

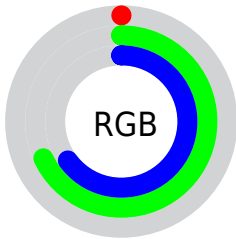
Format	Color
RYB	0, 89, 174
Decimal	44709
CIELab	64.15, -38.82, -6.01
CIELCh	64, 39.286, 188.794
Yxy	32.9887, 0.2291, 0.3446
Android (android.graphics.Color)	4278234789 (0xFF00AEA5)
YUV	120.9480, 21.7176, -106.0714
Hunter-Lab	57.4358, -32.3656, -1.9215

Details

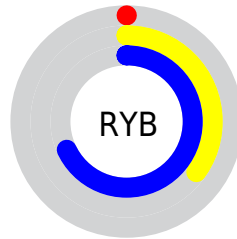
The XYZ color **21.9276, 32.9887, 40.8091** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.5059, 9.0194, 1.0776**, and the grayscale version is **18.1159, 19.0593, 20.7556**.

A 20% lighter version of the original color is **46.0390, 64.2477, 77.6847**, and **9.8180, 14.8670, 17.9749** is the 20% darker color. If you saturate the color by 10%, you get **21.9280, 32.9897, 40.8091**, and if you desaturate by 10%, it is **22.2494, 33.1458, 41.2542**.

Distribution



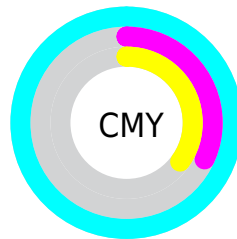
- Red (0%)
- Green (68%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9276, 32.9887, 40.8091 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 21.9276, 32.9887, 40.8091 by changing the saturation by 10% instead.


 21.9276, 32.9887,
40.8091


 21.9276, 32.9887,
40.8091


254.8074,
315.5988, 365.1751


 13.9200, 22.1178,
27.8514


 46.1061, 64.3579,
77.6445


 8.1464, 13.9435,
17.9756

 63.0076, 85.6250,
102.3593

 4.2414, 8.0814,
10.7632


 83.6046, 111.1262,
131.8302


 1.8396, 4.1471,
5.7957

 108.2623,
141.2460, 166.4757

 0.5413, 1.7562,
2.6545

 137.3460,
176.3688, 206.7145

 0.0000, 0.4596,
0.9204

 171.2213,

 0.0000, 0.0000,

216.8789, 252.9649

0.0000

210.2533,
263.1608, 305.6456

■ 21.9276, 32.9887,
40.8091

■ 21.9276, 32.9887,
40.8091

■ 21.9280, 32.9897,
40.8091

■ 22.2494, 33.1458,
41.2542

■ 22.7807, 33.4102,
41.7114

■ 23.6048, 33.8254,
42.1853

■ 24.7600, 34.4112,
42.6778

■ 26.2787, 35.1843,
43.1903

■ 28.1897, 36.1596,
43.7242

■ 30.5185, 37.3503,
44.2806

■ 33.2889, 38.7685,
44.8609

■ 36.5225, 40.4255,
45.4658

Harmonies

Analogous

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



22.4025, 32.9887, 25.9388



21.9276, 32.9887, 40.8091



23.7351, 32.9887, 58.7331

Triad

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



21.9276, 32.9887, 40.8091



38.5451, 32.9887, 65.4756



35.3851, 32.9887, 14.2603

Complementary

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



21.9276, 32.9887, 40.8091



17.5059, 9.0194, 1.0776

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.



40.4521, 32.9887, 19.9419



21.9276, 32.9887, 40.8091



42.4213, 32.9887, 48.1781

Square

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



21.9276, 32.9887, 40.8091



33.0187, 32.9887, 75.4937



43.1577, 32.9887, 31.4362



29.7477, 32.9887, 13.3543

Rectangle

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



21.9276, 32.9887, 40.8091



26.1330, 32.9887, 69.0074



43.1577, 32.9887, 31.4362



37.2296, 32.9887, 15.5724

Sweetspot

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



21.9286, 32.9899, 40.8099



55.1037, 67.6187, 80.2619



15.2832, 30.3487, 5.0533



11.8422, 14.8218, 17.7454



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.9286, 32.9899, 40.8099



39.7479, 59.8278, 73.8830



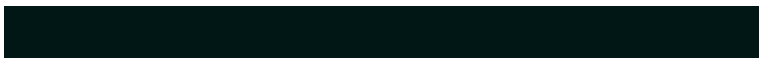
12.0660, 11.9071, 41.7080



8.2182, 9.0648, 10.1738



15.9109, 23.9296, 29.6344



0.4479, 0.6678, 0.8524

Inverse Universe

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



17.5059, 9.0194, 1.0776



31.7276, 16.3487, 1.8230



20.0008, 14.0881, 1.6660



8.0214, 8.0218, 8.4236



12.7033, 6.5439, 0.8171



0.3587, 0.1842, 0.0507

Previews

White Background



This preview shows how the XYZ color 21.9276, 32.9887, 40.8091 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 21.9276, 32.9887, 40.8091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

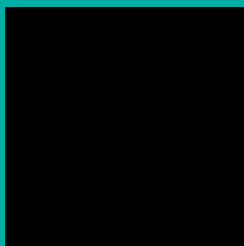
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

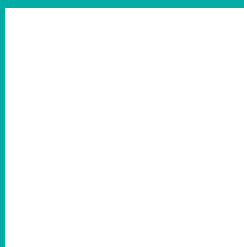
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9276, 32.9887, 40.8091

Background



This preview shows how black text looks on a background with the XYZ color 21.9276, 32.9887, 40.8091.

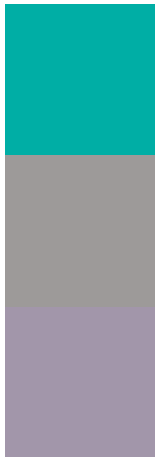


This preview shows how white text looks on a background with the XYZ color 21.9276, 32.9887,

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

21.9276, 32.9887, 40.8091

Protanopia

31.2100, 32.5792, 34.7805

Deuteranopia

33.0623, 32.3964, 42.5408



Tritanopia

24.1566, 33.0599, 51.0070

Trichromacy



Original Color

21.9276, 32.9887, 40.8091



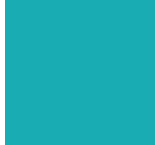
Protanomaly

24.0862, 30.6334, 36.5416



Deuteranomaly

25.0595, 30.5070, 41.6134



Tritanomaly

23.1893, 32.9261, 47.2526

Monochromacy



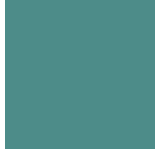
Original Color

21.9276, 32.9887, 40.8091



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.9540, 22.1401, 27.0468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9276, 32.9887, 40.8091 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, 174, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 165)  
}
```

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, 174, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 165) }
```

Border

The CSS property to change the border of an element to XYZ 21.9276, 32.9887, 40.8091 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, 174, 165) }
```


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

```
.border{ border-color:rgb(0, 174, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9276, 32.9887, 40.8091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 165) }
```

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

```
.background{ background-color: rgb(0, 174,  
165) }
```

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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