

Converting Colors

XYZ(14.7837, 28.8652, 40.3114)

Have a look what the booklet for
XYZ(14.7837, 28.8652, 40.3114)
contains.

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Color

**XYZ(21.5441, 32.2217,
40.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACA5
RGB	0, 172, 165
RGB Percent	0%, 67%, 65%
CMY	0.9999, 0.3255, 0.3529
CMYK	1.00, 0.00, 0.04, 0.33
HSL	178°, 100%, 34%
HSV	178°, 100%, 67%
XYZ	21.5441, 32.2217, 40.6812
YIQ	119.7740, -100.2650, -38.6410

Conversions

Conversions Part 2

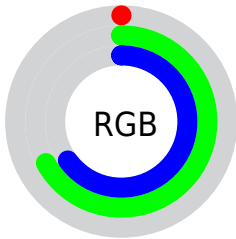
Format	Color
RYB	0, 88, 172
Decimal	44197
CIELab	63.53, -37.92, -6.93
CIELCh	64, 38.552, 190.363
Yxy	32.2217, 0.2281, 0.3412
Android (android.graphics.Color)	4278234277 (0xFF00ACA5)
YUV	119.7740, 22.2964, -105.0418
Hunter-Lab	56.7642, -31.5899, -2.7565

Details

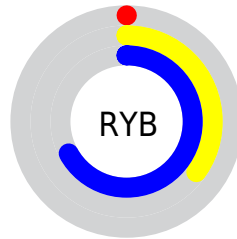
The XYZ color **21.5441, 32.2217, 40.6812** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.0527, 8.7871, 0.9993**, and the grayscale version is **17.7379, 18.6616, 20.3225**.

A 20% lighter version of the original color is **45.4855, 63.1409, 77.5002**, and **9.5775, 14.3859, 17.8948** is the 20% darker color. If you saturate the color by 10%, you get **21.5445, 32.2227, 40.6813**, and if you desaturate by 10%, it is **21.8439, 32.3696, 41.0296**.

Distribution



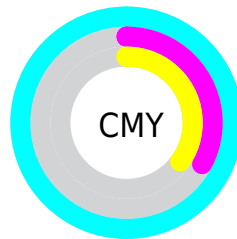
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5441, 32.2217, 40.6812 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 21.5441, 32.2217, 40.6812 by changing the saturation by 10% instead.


 21.5441, 32.2217,
40.6812


 21.5441, 32.2217,
40.6812


252.8335,
312.1279, 364.6235


 13.6370, 21.5309,
27.7522


 45.4758, 63.1585,
77.4481


 7.9487, 13.5126,
17.9016


 62.2312, 84.1732,
102.1231

 4.1136, 7.7825,
10.7106


 82.6666, 109.3981,
131.5506

 1.7666, 3.9561,
5.7609

 107.1476,
139.2175, 166.1491

 0.4974, 1.6490,
2.6338

 136.0394,
174.0158, 206.3371

 0.0000, 0.3903,
0.9098

 169.7074,

 0.0000, 0.0000,

214.1773, 252.5331

0.0000

208.5170,
260.0866, 305.1557

■ 21.5441, 32.2217,
40.6812

■ 21.5441, 32.2217,
40.6812

■ 21.5445, 32.2227,
40.6813

■ 21.8439, 32.3696,
41.0296

■ 22.3469, 32.6215,
41.3887

■ 23.1348, 33.0202,
41.7629

■ 24.2449, 33.5849,
42.1540

■ 25.7086, 34.3320,
42.5635

■ 27.5538, 35.2756,
42.9927

■ 29.8056, 36.4288,
43.4427

■ 32.4867, 37.8033,
43.9147

■ 35.6185, 39.4101,
44.4096

Harmonies

Analogous

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



21.8879, 32.2217, 26.0488



21.5441, 32.2217, 40.6812



23.4077, 32.2217, 57.9516

Triad

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



21.5441, 32.2217, 40.6812



37.8172, 32.2217, 62.8091



34.2313, 32.2217, 13.9409

Complementary

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



21.5441, 32.2217, 40.6812



17.0527, 8.7871, 0.9993

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.



39.1933, 32.2217, 19.1963



21.5441, 32.2217, 40.6812



41.4254, 32.2217, 45.9986

Square

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



21.5441, 32.2217, 40.6812



32.5224, 32.2217, 72.9891



41.9566, 32.2217, 30.0252



28.8043, 32.2217, 13.2822

Rectangle

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



21.5441, 32.2217, 40.6812



25.7948, 32.2217, 67.6045



41.9566, 32.2217, 30.0252



36.0251, 32.2217, 15.1358

Sweetspot

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



21.5451, 32.2229, 40.6820



53.8227, 65.9584, 78.7625



14.8612, 29.5618, 4.9236



11.3193, 14.1408, 17.0438



82.5889, 86.8899, 94.6231



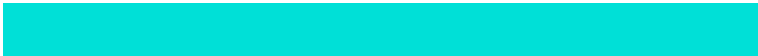
15.4596, 16.2647, 17.7123

Same Dimension

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



21.5451, 32.2229, 40.6820



39.0630, 58.4465, 73.6904



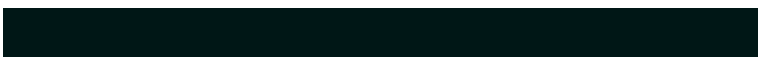
11.5047, 11.0942, 40.5661



8.2220, 9.0664, 10.1942



16.0372, 23.9802, 30.2993



0.4504, 0.6688, 0.8652

Inverse Universe

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



17.0527, 8.7871, 0.9993



30.9147, 15.9313, 1.7080



19.6973, 14.1376, 1.6916



8.0180, 8.0204, 8.4054



12.6942, 6.5402, 0.7692



0.3573, 0.1836, 0.0434

Previews

White Background



This preview shows how the XYZ color 21.5441, 32.2217, 40.6812 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 21.5441, 32.2217, 40.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

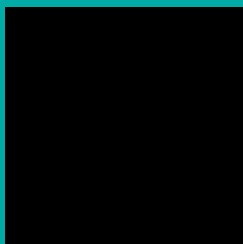
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

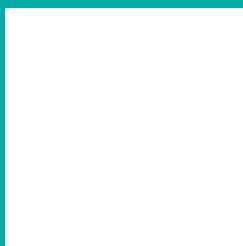
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5441, 32.2217, 40.6812

Background



This preview shows how black text looks on a background with the XYZ color 21.5441, 32.2217, 40.6812.

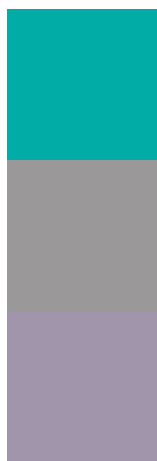


This preview shows how white text looks on a background with the XYZ color 21.5441, 32.2217,

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

21.5441, 32.2217, 40.6812

Protanopia

30.4956, 31.7249, 34.6532

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

23.4982, 32.1881, 49.7742

Trichromacy



Original Color

21.5441, 32.2217, 40.6812



Protanomaly

23.6295, 29.8832, 36.4209



Deuteranomaly

24.6043, 29.7659, 41.4944



Tritanomaly

22.5879, 32.0782, 46.0755

Monochromacy



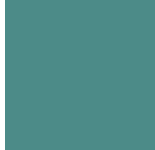
Original Color

21.5441, 32.2217, 40.6812



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.6570, 21.7793, 26.6185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5441, 32.2217, 40.6812 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, 172, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 165) }
```

Border

The CSS property to change the border of an element to XYZ 21.5441, 32.2217, 40.6812 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, 172, 165) }
```


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

```
.border{ border-color:rgb(0, 172, 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, 172, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5441, 32.2217, 40.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 165) }
```

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

```
.background{ background-color: rgb(0, 172,  
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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