

Converting Colors

XYZ(10.5923, 27.3211, 36.7420)

Have a look what the booklet for
XYZ(10.5923, 27.3211, 36.7420)
contains.

XYZ(21.2219, 32.7064, 37.0928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2219, 32.7064,
37.0928)**

Conversions

Conversions Part 1

Format	Color
Hex	00AE9D
RGB	0, 174, 157
RGB Percent	0%, 68%, 62%
CMY	0.9999, 0.3176, 0.3843
CMYK	1.00, 0.00, 0.10, 0.32
HSL	174°, 100%, 34%
HSV	174°, 100%, 68%
XYZ	21.2219, 32.7064, 37.0928
YIQ	120.0360, -98.2470, -42.1750

Conversions

Conversions Part 2

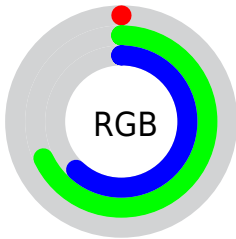
Format	Color
RYB	0, 91, 174
Decimal	44701
CIELab	63.92, -41.16, -1.88
CIELCh	64, 41.204, 182.621
Yxy	32.7064, 0.2332, 0.3593
Android (android.graphics.Color)	4278234781 (0xFF00AE9D)
YUV	120.0360, 18.2233, -105.2716
Hunter-Lab	57.1895, -33.8438, 1.5775

Details

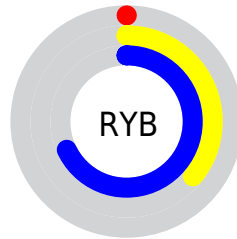
The XYZ color **21.2219, 32.7064, 37.0928** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.5579, 9.0402, 1.3512**, and the grayscale version is **17.8335, 18.7622, 20.4321**.

A 20% lighter version of the original color is **44.7740, 63.7297, 71.5692**, and **9.4389, 14.7154, 15.9785** is the 20% darker color. If you saturate the color by 10%, you get **21.2222, 32.7073, 37.0922**, and if you desaturate by 10%, it is **21.6076, 32.8891, 37.8748**.

Distribution



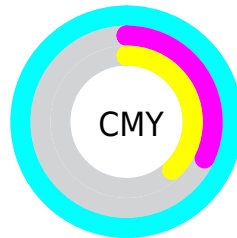
- Red (0%)
- Green (68%)
- Blue (62%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2219, 32.7064, 37.0928 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 21.2219, 32.7064, 37.0928 by changing the saturation by 10% instead.


 21.2219, 32.7064,
37.0928

 21.2219, 32.7064,
37.0928

251.1649,
314.3247, 348.8929


 13.3997, 21.9016,
24.9830


 44.9450, 63.9169,
71.9034


 7.7832, 13.7846,
15.8455

 61.5767, 85.0914,
95.4413


 4.0072, 7.9710,
9.2617


 81.8755, 110.4912,
123.6256

 1.7062, 4.0764,
4.8131

 106.2069,
140.5008, 156.8750

 0.4601, 1.7164,
2.0812

 134.9361,
175.5046, 195.6078

 0.0000, 0.4342,
0.6046

 168.4287,

 0.0000, 0.0000,

215.8869, 240.2427

0.0000

207.0498,
262.0321, 291.1982

■ 21.2219, 32.7064,
37.0928

■ 21.2219, 32.7064,
37.0928

■ 21.2222, 32.7073,
37.0922

■ 21.6076, 32.8891,
37.8748

■ 22.2044, 33.1796,
38.6765

■ 23.0954, 33.6216,
39.5026

■ 24.3189, 34.2347,
40.3550

■ 25.9075, 35.0358,
41.2352

■ 27.8897, 36.0396,
42.1445

■ 30.2914, 37.2594,
43.0843

■ 33.1360, 38.7073,
44.0556

■ 36.4454, 40.3946,
45.0596

Harmonies

Analogous

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



22.1961, 32.7064, 22.8483



21.2219, 32.7064, 37.0928



22.6061, 32.7064, 55.7585

Triad

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



21.2219, 32.7064, 37.0928



37.4958, 32.7064, 69.8635



36.5034, 32.7064, 14.1098

Complementary

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



21.2219, 32.7064, 37.0928



17.5579, 9.0402, 1.3512

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.



41.4597, 32.7064, 21.0171



21.2219, 32.7064, 37.0928



42.0808, 32.7064, 52.4154

Square

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



21.2219, 32.7064, 37.0928



31.5994, 32.7064, 78.0058



43.6138, 32.7064, 34.1706



30.5791, 32.7064, 12.2826

Rectangle

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



21.2219, 32.7064, 37.0928



24.7945, 32.7064, 67.5069



43.6138, 32.7064, 34.1706



38.3618, 32.7064, 15.7804

Sweetspot

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



21.2228, 32.7076, 37.0936



54.6843, 67.4510, 78.0534



15.3756, 30.3963, 5.0576



11.7368, 14.7796, 17.1904



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.



21.2228, 32.7076, 37.0936



38.4473, 59.3076, 67.0344



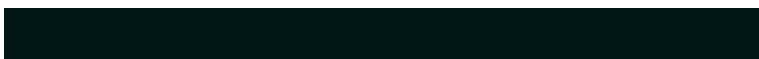
12.6327, 13.0405, 41.8969



8.2021, 9.0584, 10.0892



15.4043, 23.7270, 26.9665



0.4381, 0.6639, 0.8004

Inverse Universe

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



17.5579, 9.0402, 1.3512



31.8093, 16.3814, 2.2535



19.6227, 13.3319, 1.5400



8.0359, 8.0276, 8.4997



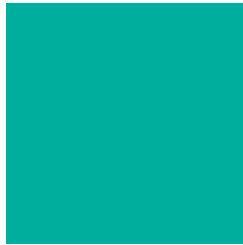
12.7448, 6.5605, 1.0355



0.3645, 0.1865, 0.0812

Previews

White Background



This preview shows how the XYZ color 21.2219, 32.7064, 37.0928 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 21.2219, 32.7064, 37.0928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

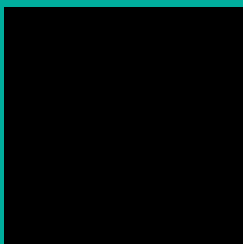
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

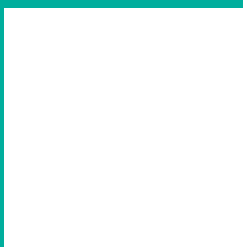
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2219, 32.7064, 37.0928

Background



This preview shows how black text looks on a background with the XYZ color 21.2219, 32.7064, 37.0928.

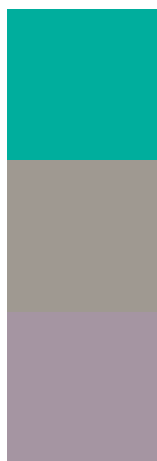


This preview shows how white text looks on a background with the XYZ color 21.2219, 32.7064,

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

21.2219, 32.7064, 37.0928

Protanopia

30.8001, 32.1977, 31.3795

Deuteranopia

32.7861, 32.1029, 38.6509



Tritanopia

24.0652, 32.7456, 50.3996

Trichromacy



Original Color

21.2219, 32.7064, 37.0928

Protanomaly

23.5365, 30.4264, 33.0661

Deuteranomaly

24.3977, 29.9950, 37.7614

Tritanomaly

22.6818, 32.4287, 45.1083

Monochromacy



Original Color

21.2219, 32.7064, 37.0928

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.5922, 21.9861, 25.5595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2219, 32.7064, 37.0928 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, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 157)  
}
```

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, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 157) }
```

Border

The CSS property to change the border of an element to XYZ 21.2219, 32.7064, 37.0928 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, 157) }
```


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

```
.border{ border-color:rgb(0, 174, 157) }
```

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, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2219, 32.7064, 37.0928 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, 157) }
```

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

```
.background{ background-color: rgb(0, 174,  
157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor