

Converting Colors

XYZ(17.8878, 32.2799, 34.6242)

Have a look what the booklet for
XYZ(17.8878, 32.2799, 34.6242)
contains.

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Color

**XYZ(21.5063, 34.0752,
34.7218)**

Conversions

Conversions Part 1

Format	Color
Hex	00B297
RGB	0, 178, 151
RGB Percent	0%, 70%, 59%
CMY	0.9999, 0.3019, 0.4078
CMYK	1.00, 0.00, 0.15, 0.30
HSL	171°, 100%, 35%
HSV	171°, 100%, 70%
XYZ	21.5063, 34.0752, 34.7218
YIQ	121.7000, -97.4210, -46.1330

Conversions

Conversions Part 2

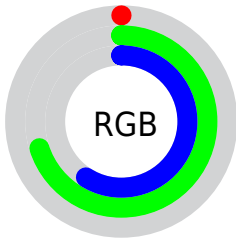
Format	Color
RYB	0, 96, 178
Decimal	45719
CIELab	65.02, -44.55, 3.05
CIElCh	65, 44.657, 176.079
Yxy	34.0752, 0.2382, 0.3773
Android (android.graphics.Color)	4278235799 (0xFF00B297)
YUV	121.7000, 14.4449, -106.7309
Hunter-Lab	58.3740, -36.3910, 5.5951

Details

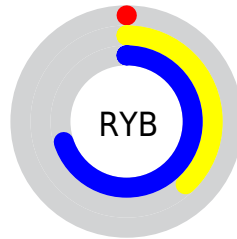
The XYZ color **21.5063, 34.0752, 34.7218** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.5591, 9.5450, 1.9025**, and the grayscale version is **18.3805, 19.3377, 21.0588**.

A 20% lighter version of the original color is **45.5516, 66.3112, 68.1561**, and **9.5079, 15.3354, 14.5155** is the 20% darker color. If you saturate the color by 10%, you get **21.5068, 34.0763, 34.7213**, and if you desaturate by 10%, it is **21.9750, 34.2920, 35.9026**.

Distribution



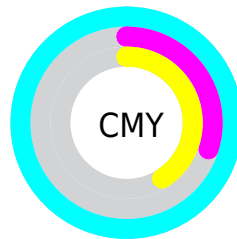
- Red (0%)
- Green (70%)
- Blue (59%)



- Red (0%)
- Yellow (38%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5063, 34.0752, 34.7218 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 21.5063, 34.0752, 34.7218 by changing the saturation by 10% instead.

■ 21.5063, 34.0752,
34.7218

■ 21.5063, 34.0752,
34.7218

■ 252.6382,
320.4672, 338.2055

■ 13.6092, 22.9514,
23.1668

■ 45.4136, 66.0506,
68.2012

■ 7.9292, 14.5576,
14.5103

■ 62.1545, 87.6710,
90.9628

■ 4.1011, 8.5095,
8.3336

■ 82.5740, 113.5589,
118.2969

■ 1.7595, 4.4227,
4.2183

■ 107.0374,
144.0990, 150.6222

■ 0.4931, 1.9127,
1.7459

■ 135.9102,
179.6754, 188.3572

■ 0.0000, 0.5560,
0.3919

■ 169.5577,

■ 0.0000, 0.0000,

220.6727, 231.9203

0.0000

208.3453,
267.4752, 281.7303

■ 21.5063, 34.0752,
34.7218

■ 21.5063, 34.0752,
34.7218

■ 21.5068, 34.0763,
34.7213

■ 21.9750, 34.2920,
35.9026

■ 22.6703, 34.6242,
37.1197

■ 23.6784, 35.1171,
38.3780

■ 25.0399, 35.7916,
39.6795

■ 26.7894, 36.6655,
41.0261

■ 28.9570, 37.7544,
42.4194

■ 31.5701, 39.0723,
43.8607

■ 34.6537, 40.6321,
45.3515

■ 38.2308, 42.4458,
46.8929

Harmonies

Analogous

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



23.1330, 34.0752, 20.5772



21.5063, 34.0752, 34.7218



22.4607, 34.0752, 55.0457

Triad

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



21.5063, 34.0752, 34.7218



38.1621, 34.0752, 79.1165



39.8273, 34.0752, 14.7156

Complementary

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



21.5063, 34.0752, 34.7218



18.5591, 9.5450, 1.9025

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.



44.8775, 34.0752, 23.5551



21.5063, 34.0752, 34.7218



43.8299, 34.0752, 60.7117

Square

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



21.5063, 34.0752, 34.7218



31.5453, 34.0752, 85.1263



46.4312, 34.0752, 39.5888



33.2445, 34.0752, 11.7213

Rectangle

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



21.5063, 34.0752, 34.7218



24.5110, 34.0752, 69.0864



46.4312, 34.0752, 39.5888



41.7928, 34.0752, 16.9210

Sweetspot

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



21.5073, 34.0765, 34.7226



56.9759, 70.7149, 79.3949



16.4474, 32.1133, 5.3322



12.1670, 15.4367, 17.3465



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.5073, 34.0765, 34.7226



38.9311, 61.7655, 62.6008



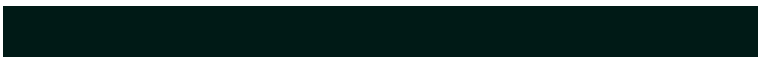
14.5947, 16.3312, 44.5040



8.6861, 9.6090, 10.6069



15.4063, 24.3885, 24.9402



0.4997, 0.7733, 0.8635

Inverse Universe

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



18.5591, 9.5450, 1.9025



33.6014, 17.2867, 3.1717



19.9428, 12.6292, 1.3872



8.5472, 8.5256, 9.1139



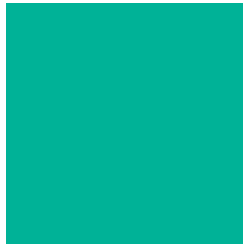
13.2937, 6.8350, 1.4404



0.4345, 0.2216, 0.1310

Previews

White Background



This preview shows how the XYZ color 21.5063, 34.0752, 34.7218 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 21.5063, 34.0752, 34.7218 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

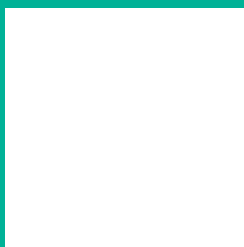
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5063, 34.0752, 34.7218

Background



This preview shows how black text looks on a background with the XYZ color 21.5063, 34.0752, 34.7218.

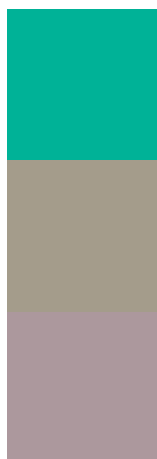


This preview shows how white text looks on a background with the XYZ color 21.5063, 34.0752,

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

21.5063, 34.0752, 34.7218

Protanopia

31.8585, 33.5335, 29.2196

Deuteranopia

34.3273, 33.6615, 36.5864



Tritanopia

25.2286, 34.1531, 52.2762

Trichromacy



Original Color

21.5063, 34.0752, 34.7218



Protanomaly

23.9423, 31.4771, 30.8004



Deuteranomaly

24.9679, 31.1075, 35.6987



Tritanomaly

23.5656, 34.0230, 45.3695

Monochromacy



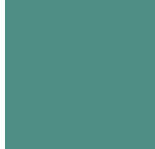
Original Color

21.5063, 34.0752, 34.7218



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0485, 22.6592, 25.6654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5063, 34.0752, 34.7218 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, 178, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 151)  
}
```

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, 178, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.5063, 34.0752, 34.7218 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, 178, 151) }
```


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

```
.border{ border-color:rgb(0, 178, 151) }
```

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

Here you see how a box with a 4 pixel rgb(0, 178, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5063, 34.0752, 34.7218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 151) }
```

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

```
.background{ background-color: rgb(0, 178,  
151) }
```

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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