

Converting Colors

XYZ(21.4185, 33.6211, 35.5503)

Have a look what the booklet for
XYZ(21.4185, 33.6211, 35.5503)
contains.

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Color

**XYZ(21.4719, 33.7442,
35.5186)**

Conversions

Conversions Part 1

Format	Color
Hex	00B199
RGB	0, 177, 153
RGB Percent	0%, 69%, 60%
CMY	0.9999, 0.3059, 0.4000
CMYK	1.00, 0.00, 0.14, 0.31
HSL	172°, 100%, 35%
HSV	172°, 100%, 69%
XYZ	21.4719, 33.7442, 35.5186
YIQ	121.3410, -97.7880, -44.9880

Conversions

Conversions Part 2

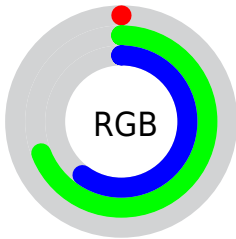
Format	Color
RYB	0, 95, 177
Decimal	45465
CIELab	64.76, -43.58, 1.56
CIELCh	65, 43.608, 177.947
Yxy	33.7442, 0.2366, 0.3719
Android (android.graphics.Color)	4278235545 (0xFF00B199)
YUV	121.3410, 15.6079, -106.4161
Hunter-Lab	58.0898, -35.6776, 4.4104

Details

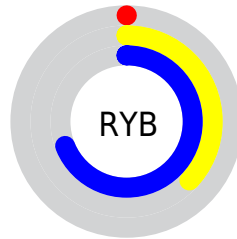
The XYZ color **21.4719, 33.7442, 35.5186** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **18.2975, 9.4140, 1.7181**, and the grayscale version is **18.2606, 19.2116, 20.9214**.

A 20% lighter version of the original color is **45.2253, 65.2696, 69.2462**, and **9.4812, 15.1252, 14.9901** is the 20% darker color. If you saturate the color by 10%, you get **21.4723, 33.7452, 35.5181**, and if you desaturate by 10%, it is **21.9172, 33.9514, 36.5857**.

Distribution



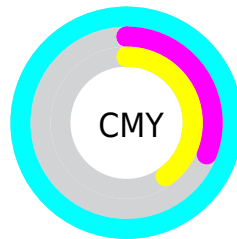
- Red (0%)
- Green (69%)
- Blue (60%)



- Red (0%)
- Yellow (37%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4719, 33.7442, 35.5186 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 21.4719, 33.7442, 35.5186 by changing the saturation by 10% instead.


 21.4719, 33.7442,
35.5186


 21.4719, 33.7442,
35.5186


252.4604,
318.9899, 341.8251


 13.5838, 22.6972,
23.7759


 45.3570, 65.5357,
69.4490


 7.9115, 14.3701,
14.9568


 62.0847, 87.0489,
92.4739


 4.0897, 8.3785,
8.6428


 82.4896, 112.8197,
120.0965

 1.7530, 4.3381,
4.4153

 106.9371,
143.2323, 152.7354

 0.4891, 1.8644,
1.8558

 135.7926,
178.6713, 190.8092

 0.0000, 0.5269,
0.4644

 169.4214,

 0.0000, 0.0000,

219.5209, 234.7363

0.0000

208.1889,
266.1657, 284.9355

■ 21.4719, 33.7442,
35.5186

■ 21.4719, 33.7442,
35.5186

■ 21.4723, 33.7452,
35.5181

■ 21.9172, 33.9514,
36.5857

■ 22.5848, 34.2720,
37.6834

■ 23.5603, 34.7508,
38.8166

■ 24.8837, 35.4085,
39.9872

■ 26.5888, 36.2625,
41.1970

■ 28.7057, 37.3283,
42.4475

■ 31.2612, 38.6197,
43.7400

■ 34.2798, 40.1495,
45.0759

■ 37.7845, 41.9292,
46.4562

Harmonies

Analogous

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



22.9029, 33.7442, 21.2973



21.4719, 33.7442, 35.5186



22.5596, 33.7442, 55.4109

Triad

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



21.4719, 33.7442, 35.5186



38.0600, 33.7442, 76.4526



38.9047, 33.7442, 14.5623

Complementary

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



21.4719, 33.7442, 35.5186



18.2975, 9.4140, 1.7181

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.



43.9429, 33.7442, 22.8217



21.4719, 33.7442, 35.5186



43.4123, 33.7442, 58.2764

Square

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



21.4719, 33.7442, 35.5186



31.6429, 33.7442, 83.1653



45.6900, 33.7442, 37.9926



32.5067, 33.7442, 11.9138

Rectangle

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



21.4719, 33.7442, 35.5186



24.6574, 33.7442, 68.7976



45.6900, 33.7442, 37.9926



40.8433, 33.7442, 16.6077

Sweetspot

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



21.4729, 33.7455, 35.5194



55.7252, 69.0324, 78.2108



16.1635, 31.6726, 5.2622



11.6517, 14.7456, 16.7418



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.



21.4729, 33.7455, 35.5194



38.3944, 60.4103, 63.2906



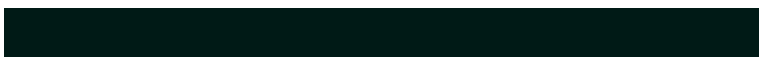
14.0739, 15.4497, 43.8367



8.6921, 9.6113, 10.6382



15.5733, 24.4553, 25.8194



0.5036, 0.7749, 0.8842

Inverse Universe

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



18.2975, 9.4140, 1.7181



32.7218, 16.8400, 2.8307



19.8530, 12.7890, 1.4228



8.5417, 8.5234, 9.0852



13.2699, 6.8255, 1.3154



0.4323, 0.2207, 0.1191

Previews

White Background



This preview shows how the XYZ color 21.4719, 33.7442, 35.5186 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 21.4719, 33.7442, 35.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

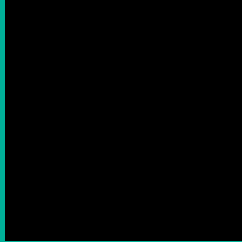
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

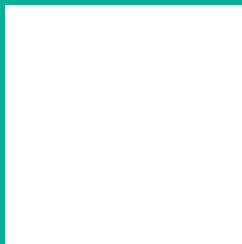
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4719, 33.7442, 35.5186

Background



This preview shows how black text looks on a background with the XYZ color 21.4719, 33.7442, 35.5186.

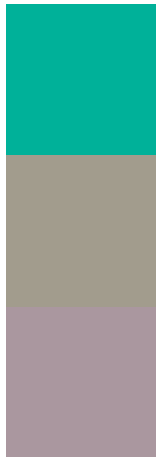


This preview shows how white text looks on a background with the XYZ color 21.4719, 33.7442,

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

21.4719, 33.7442, 35.5186

Protanopia

31.5965, 33.3814, 29.9772

Deuteranopia

33.9022, 33.1825, 37.4189



Tritanopia

24.8344, 33.6786, 51.6461

Trichromacy



Original Color

21.4719, 33.7442, 35.5186



Protanomaly

23.9798, 31.4788, 31.6002



Deuteranomaly

24.8410, 30.7641, 36.5271



Tritanomaly

23.3411, 33.6194, 45.3034

Monochromacy



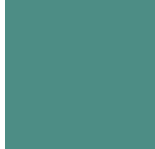
Original Color

21.4719, 33.7442, 35.5186



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.8191, 22.3210, 25.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4719, 33.7442, 35.5186 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, 177, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 153)  
}
```

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, 177, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.4719, 33.7442, 35.5186 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, 177, 153) }
```


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

```
.border{ border-color:rgb(0, 177, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 177, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4719, 33.7442, 35.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 153) }
```

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

```
.background{ background-color: rgb(0, 177,  
153) }
```

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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