

Converting Colors

XYZ(21.3460, 33.5921, 35.8432)

Have a look what the booklet for
XYZ(21.3460, 33.5921, 35.8432)
contains.

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Color

**XYZ(21.5549, 33.7774,
35.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	00B19A
RGB	0, 177, 154
RGB Percent	0%, 69%, 60%
CMY	0.9999, 0.3059, 0.3961
CMYK	1.00, 0.00, 0.13, 0.31
HSL	172°, 100%, 35%
HSV	172°, 100%, 69%
XYZ	21.5549, 33.7774, 35.9555
YIQ	121.4550, -98.1090, -44.6770

Conversions

Conversions Part 2

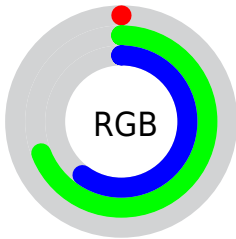
Format	Color
RYB	0, 95, 177
Decimal	45466
CIELab	64.79, -43.30, 1.05
CIELCh	65, 43.315, 178.616
Yxy	33.7774, 0.2361, 0.3700
Android (android.graphics.Color)	4278235546 (0xFF00B19A)
YUV	121.4550, 16.0447, -106.5160
Hunter-Lab	58.1183, -35.5051, 4.0025

Details

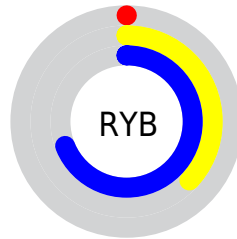
The XYZ color **21.5549, 33.7774, 35.9555** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **18.2873, 9.4100, 1.6645**, and the grayscale version is **18.2965, 19.2494, 20.9626**.

A 20% lighter version of the original color is **45.3480, 65.3187, 69.8922**, and **9.5311, 15.1452, 15.2529** is the 20% darker color. If you saturate the color by 10%, you get **21.5553, 33.7784, 35.9548**, and if you desaturate by 10%, it is **21.9934, 33.9819, 36.9867**.

Distribution



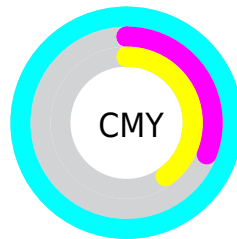
- Red (0%)
- Green (69%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5549, 33.7774, 35.9555 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 21.5549, 33.7774, 35.9555 by changing the saturation by 10% instead.

■ 21.5549, 33.7774,
35.9555

■ 21.5549, 33.7774,
35.9555

252.8892,
319.1383, 343.7975

■ 13.6450, 22.7226,
24.1104

■ 45.4936, 65.5874,
70.1316

■ 7.9542, 14.3888,
15.2026

■ 62.2531, 87.1114,
93.2998

■ 4.1172, 8.3916,
8.8135

■ 82.6931, 112.8939,
121.0793

■ 1.7687, 4.3465,
4.5246

■ 107.1791,
143.3193, 153.8889

■ 0.4987, 1.8692,
1.9173

■ 136.0763,
178.7721, 192.1469

■ 0.0000, 0.5298,
0.5037

■ 169.7502,

■ 0.0000, 0.0000,

219.6366, 236.2720

0.0000

208.5660,
266.2972, 286.6827

■ 21.5549, 33.7774,
35.9555

■ 21.5549, 33.7774,
35.9555

■ 21.5553, 33.7784,
35.9548

■ 21.9934, 33.9819,
36.9867

■ 22.6539, 34.2996,
38.0468

■ 23.6220, 34.7755,
39.1406

■ 24.9376, 35.4301,
40.2703

■ 26.6348, 36.2809,
41.4373

■ 28.7433, 37.3434,
42.6433

■ 31.2900, 38.6313,
43.8896

■ 34.2996, 40.1575,
45.1774

■ 37.7949, 41.9335,
46.5080

Harmonies

Analogous

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



22.9242, 33.7774, 21.6470



21.5549, 33.7774, 35.9555



22.6938, 33.7774, 55.7804

Triad

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



21.5549, 33.7774, 35.9555



38.1911, 33.7774, 75.8694



38.7565, 33.7774, 14.5743

Complementary

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



21.5549, 33.7774, 35.9555



18.2873, 9.4100, 1.6645

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.



43.8119, 33.7774, 22.6706



21.5549, 33.7774, 35.9555



43.4569, 33.7774, 57.6963

Square

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



21.5549, 33.7774, 35.9555



31.8160, 33.7774, 82.8490



45.6328, 33.7774, 37.6126



32.3946, 33.7774, 12.0350

Rectangle

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



21.5549, 33.7774, 35.9555



24.8175, 33.7774, 68.9961



45.6328, 33.7774, 37.6126



40.6940, 33.7774, 16.5734

Sweetspot

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



21.5559, 33.7787, 35.9563



55.7768, 69.0531, 78.4827



16.0906, 31.6350, 5.2588



11.6643, 14.7506, 16.8082



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.



21.5559, 33.7787, 35.9563



38.5449, 60.4706, 64.0835



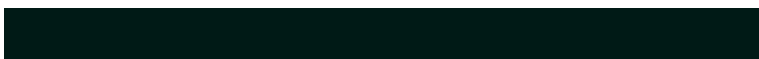
13.7429, 14.7875, 43.7264



8.6942, 9.6122, 10.6492



15.6328, 24.4791, 26.1330



0.5050, 0.7755, 0.8916

Inverse Universe

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



18.2873, 9.4100, 1.6645



32.7050, 16.8332, 2.7422



20.0178, 13.1186, 1.4778



8.5398, 8.5227, 9.0752



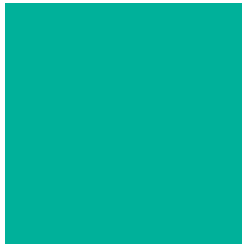
13.2621, 6.8224, 1.2743



0.4315, 0.2203, 0.1150

Previews

White Background



This preview shows how the XYZ color 21.5549, 33.7774, 35.9555 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 21.5549, 33.7774, 35.9555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

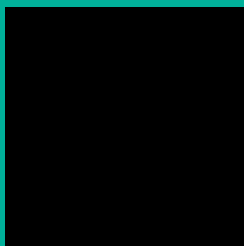
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

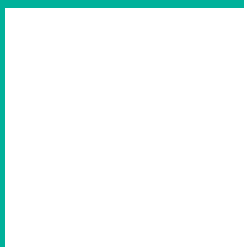
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5549, 33.7774, 35.9555

Background



This preview shows how black text looks on a background with the XYZ color 21.5549, 33.7774, 35.9555.

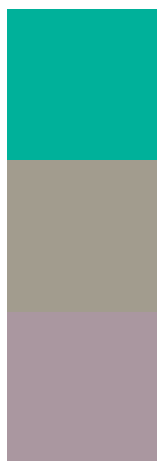


This preview shows how white text looks on a background with the XYZ color 21.5549, 33.7774,

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

21.5549, 33.7774, 35.9555

Protanopia

31.6712, 33.4113, 30.3710

Deuteranopia

33.9893, 33.2173, 37.8779



Tritanopia

24.8344, 33.6786, 51.6461

Trichromacy



Original Color

21.5549, 33.7774, 35.9555



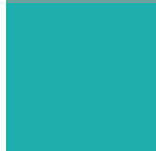
Protanomaly

24.0573, 31.5098, 32.0082



Deuteranomaly

24.9267, 30.7984, 36.9787



Tritanomaly

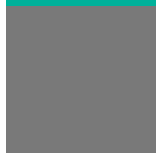
23.3411, 33.6194, 45.3034

Monochromacy



Original Color

21.5549, 33.7774, 35.9555



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 21.5549, 33.7774, 35.9555 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.5549, 33.7774, 35.9555 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, 154) }
```


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

```
.border{ border-color:rgb(0, 177, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5549, 33.7774, 35.9555 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, 154) }
```

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

```
.background{ background-color: rgb(0, 177,  
154) }
```

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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