

Converting Colors

XYZ(21.7068, 34.3148, 35.2861)

Have a look what the booklet for
XYZ(21.7068, 34.3148, 35.2861)
contains.

XYZ(21.7876, 34.5072, 35.2180)	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(21.7876, 34.5072,
35.2180)**

Conversions

Conversions Part 1

Format	Color
Hex	00B398
RGB	0, 179, 152
RGB Percent	0%, 70%, 60%
CMY	0.9999, 0.2980, 0.4039
CMYK	1.00, 0.00, 0.15, 0.30
HSL	171°, 100%, 35%
HSV	171°, 100%, 70%
XYZ	21.7876, 34.5072, 35.2180
YIQ	122.4010, -98.0170, -46.3450

Conversions

Conversions Part 2

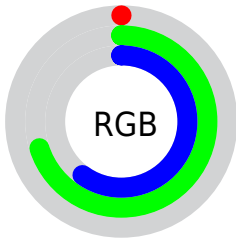
Format	Color
RYB	0, 97, 179
Decimal	45976
CIELab	65.36, -44.70, 2.99
CIElCh	65, 44.800, 176.168
Yxy	34.5072, 0.2381, 0.3771
Android (android.graphics.Color)	4278236056 (0xFF00B398)
YUV	122.4010, 14.5923, -107.3457
Hunter-Lab	58.7428, -36.5947, 5.5739

Details

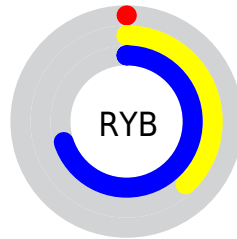
The XYZ color **21.7876, 34.5072, 35.2180** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.7894, 9.6638, 1.9134**, and the grayscale version is **18.6093, 19.5784, 21.3209**.

A 20% lighter version of the original color is **45.9599, 66.9339, 68.8897**, and **9.6826, 15.6068, 14.8140** is the 20% darker color. If you saturate the color by 10%, you get **21.7880, 34.5082, 35.2172**, and if you desaturate by 10%, it is **22.2601, 34.7257, 36.4088**.

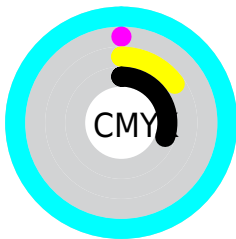
Distribution



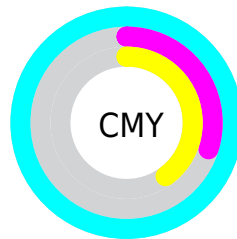
- Red (0%)
- Green (70%)
- Blue (60%)



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



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





- Cyan (100%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7876, 34.5072, 35.2180 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 21.7876, 34.5072, 35.2180 by changing the saturation by 10% instead.


 21.7876, 34.5072,
35.2180


 21.7876, 34.5072,
35.2180


254.0883,
322.3878, 340.4630


 13.8166, 23.2835,
23.5460


 45.8762, 66.7216,
68.9787


 8.0741, 14.8030,
14.7881


 62.7245, 88.4812,
91.9045


 4.1946, 8.6812,
8.5258


 83.2626, 114.5215,
119.4186

 1.8128, 4.5339,
4.3406

 107.8560,
145.2269, 151.9396

 0.5254, 1.9765,
1.8140

 136.8699,
180.9818, 189.8860

 0.0000, 0.5937,
0.4372

 170.6696,

 0.0000, 0.0000,

222.1707, 233.6763

0.0000

209.6207,
269.1779, 283.7291

■ 21.7876, 34.5072,
35.2180

■ 21.7876, 34.5072,
35.2180

■ 21.7880, 34.5082,
35.2172

■ 22.2601, 34.7257,
36.4088

■ 22.9623, 35.0613,
37.6360

■ 23.9814, 35.5597,
38.9047

■ 25.3586, 36.2420,
40.2169

■ 27.1286, 37.1263,
41.5745

■ 29.3223, 38.2284,
42.9791

■ 31.9674, 39.5625,
44.4321

■ 35.0892, 41.1418,
45.9348

■ 38.7109, 42.9783,
47.4885

Harmonies

Analogous

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



23.4259, 34.5072, 20.8833



21.7876, 34.5072, 35.2180



22.7612, 34.5072, 55.7883

Triad

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



21.7876, 34.5072, 35.2180



38.6593, 34.5072, 80.0244



40.3054, 34.5072, 14.9016

Complementary

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



21.7876, 34.5072, 35.2180



18.7894, 9.6638, 1.9134

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.



45.4216, 34.5072, 23.8283



21.7876, 34.5072, 35.2180



44.3860, 34.5072, 61.3885

Square

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



21.7876, 34.5072, 35.2180



31.9653, 34.5072, 86.1489



47.0054, 34.5072, 40.0296



33.6452, 34.5072, 11.8849

Rectangle

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



21.7876, 34.5072, 35.2180



24.8408, 34.5072, 69.9815



47.0054, 34.5072, 40.0296



42.2954, 34.5072, 17.1280

Sweetspot

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



21.7886, 34.5085, 35.2188



56.9838, 70.7181, 79.4364



16.6520, 32.5152, 5.3991



12.1689, 15.4375, 17.3569



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.



21.7886, 34.5085, 35.2188



38.9536, 61.7745, 62.7192



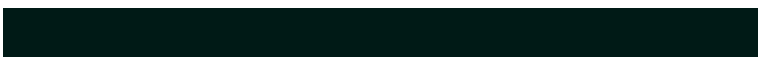
14.7750, 16.5305, 45.0613



8.6865, 9.6091, 10.6085



15.4150, 24.3920, 24.9859



0.4999, 0.7734, 0.8646

Inverse Universe

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



18.7894, 9.6638, 1.9134



33.5984, 17.2856, 3.1563



20.1905, 12.7828, 1.4039



8.5469, 8.5255, 9.1124



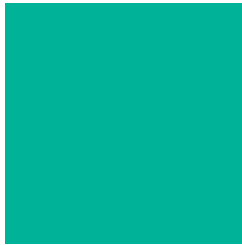
13.2923, 6.8345, 1.4335



0.4344, 0.2215, 0.1303

Previews

White Background



This preview shows how the XYZ color 21.7876, 34.5072, 35.2180 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 21.7876, 34.5072, 35.2180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

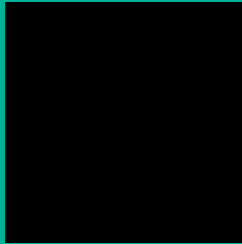
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7876, 34.5072, 35.2180

Background



This preview shows how black text looks on a background with the XYZ color 21.7876, 34.5072, 35.2180.

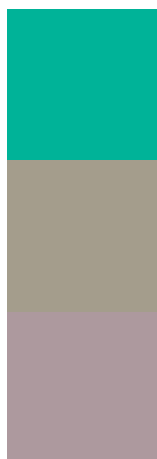


This preview shows how white text looks on a background with the XYZ color 21.7876, 34.5072,

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

21.7876, 34.5072, 35.2180

Protanopia

32.1004, 33.8999, 29.6624

Deuteranopia

34.7964, 34.1353, 37.1026



Tritanopia

25.5285, 34.5811, 52.9063

Trichromacy



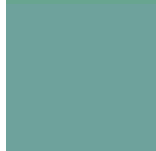
Original Color

21.7876, 34.5072, 35.2180



Protanomaly

24.1981, 31.8669, 31.2611



Deuteranomaly

25.3515, 31.5560, 36.2072



Tritanomaly

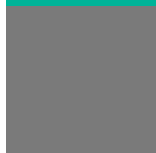
23.8589, 34.4529, 45.9500

Monochromacy



Original Color

21.7876, 34.5072, 35.2180



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.1980, 22.9581, 25.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7876, 34.5072, 35.2180 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, 179, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 152)  
}
```

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, 179, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.7876, 34.5072, 35.2180 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, 179, 152) }
```


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

```
.border{ border-color:rgb(0, 179, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7876, 34.5072, 35.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 152) }
```

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

```
.background{ background-color: rgb(0, 179,  
152) }
```

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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