

Converting Colors

XYZ(11.0632, 28.5835, 35.5612)

Have a look what the booklet for
XYZ(11.0632, 28.5835, 35.5612)
contains.

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Color

**XYZ(21.7531, 34.1739,
36.0216)**

Conversions

Conversions Part 1

Format	Color
Hex	00B29A
RGB	0, 178, 154
RGB Percent	0%, 70%, 60%
CMY	0.9999, 0.3019, 0.3961
CMYK	1.00, 0.00, 0.13, 0.30
HSL	172°, 100%, 35%
HSV	172°, 100%, 70%
XYZ	21.7531, 34.1739, 36.0216
YIQ	122.0420, -98.3840, -45.2000

Conversions

Conversions Part 2

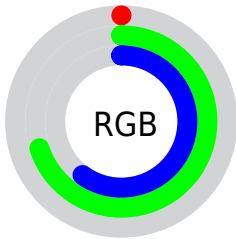
Format	Color
RYB	0, 95, 178
Decimal	45722
CIELab	65.10, -43.73, 1.50
CIELCh	65, 43.754, 178.030
Yxy	34.1739, 0.2366, 0.3717
Android (android.graphics.Color)	4278235802 (0xFF00B29A)
YUV	122.0420, 15.7553, -107.0308
Hunter-Lab	58.4584, -35.8803, 4.3869

Details

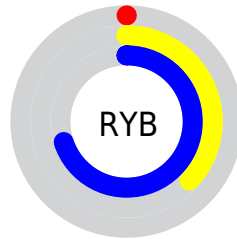
The XYZ color **21.7531, 34.1739, 36.0216** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **18.5261, 9.5318, 1.7287**, and the grayscale version is **18.4879, 19.4507, 21.1819**.

A 20% lighter version of the original color is **45.9174, 66.4575, 70.0820**, and **9.6558, 15.3946, 15.2945** is the 20% darker color. If you saturate the color by 10%, you get **21.7536, 34.1750, 36.0212**, and if you desaturate by 10%, it is **22.2019, 34.3827, 37.0976**.

Distribution



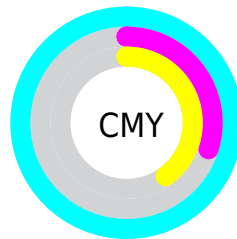
- Red (0%)
- Green (70%)
- Blue (60%)



- Red (0%)
- Yellow (37%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (30%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7531, 34.1739, 36.0216 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 21.7531, 34.1739, 36.0216 by changing the saturation by 10% instead.


 21.7531, 34.1739,
36.0216


 21.7531, 34.1739,
36.0216


253.9108,
320.9068, 344.0952


 13.7912, 23.0272,
24.1611


 45.8195, 66.2040,
70.2348


 8.0563, 14.6136,
15.2398


 62.6547, 87.8562,
93.4246


 4.1831, 8.5487,
8.8394


 83.1783, 113.7791,
121.2278

 1.8062, 4.4480,
4.5412

 107.7557,
144.3570, 154.0631

 0.5214, 1.9272,
1.9267

 136.7524,
179.9743, 192.3489

 0.0000, 0.5646,
0.5096

 170.5335,

 0.0000, 0.0000,

221.0154, 236.5039

0.0000

209.4646,
267.8648, 286.9464

■ 21.7531, 34.1739,
36.0216

■ 21.7531, 34.1739,
36.0216

■ 21.7536, 34.1750,
36.0212

■ 22.2019, 34.3827,
37.0976

■ 22.8762, 34.7066,
38.2043

■ 23.8623, 35.1906,
39.3468

■ 25.2008, 35.8559,
40.5270

■ 26.9261, 36.7201,
41.7466

■ 29.0685, 37.7989,
43.0072

■ 31.6554, 39.1063,
44.3102

■ 34.7116, 40.6552,
45.6569

■ 38.2602, 42.4575,
47.0483

Harmonies

Analogous

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



23.1943, 34.1739, 21.6099



21.7531, 34.1739, 36.0216



22.8610, 34.1739, 56.1564

Triad

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



21.7531, 34.1739, 36.0216



38.5566, 34.1739, 77.3429



39.3765, 34.1739, 14.7474

Complementary

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



21.7531, 34.1739, 36.0216



18.5261, 9.5318, 1.7287

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.



44.4805, 34.1739, 23.0902



21.7531, 34.1739, 36.0216



43.9654, 34.1739, 58.9377

Square

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



21.7531, 34.1739, 36.0216



32.0638, 34.1739, 84.1742



46.2590, 34.1739, 38.4234



32.9024, 34.1739, 12.0793

Rectangle

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



21.7531, 34.1739, 36.0216



24.9886, 34.1739, 69.6904



46.2590, 34.1739, 38.4234



41.3394, 34.1739, 16.8127

Sweetspot

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



21.7541, 34.1752, 36.0224



57.1333, 70.7779, 80.2238



16.3656, 32.0712, 5.3284



12.2063, 15.4524, 17.5536



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.



21.7541, 34.1752, 36.0224



39.3848, 61.9470, 64.9901



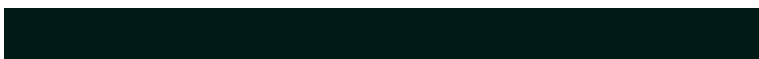
14.2483, 15.6384, 44.3885



8.6924, 9.6114, 10.6397



15.5813, 24.4585, 25.8617



0.5038, 0.7750, 0.8852

Inverse Universe

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



18.5261, 9.5318, 1.7287



33.5461, 17.2647, 2.8810



20.1006, 12.9449, 1.4398



8.5415, 8.5233, 9.0839



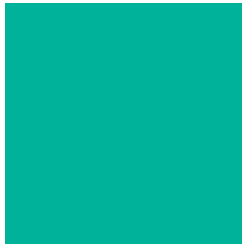
13.2688, 6.8251, 1.3098



0.4322, 0.2206, 0.1186

Previews

White Background



This preview shows how the XYZ color 21.7531, 34.1739, 36.0216 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 21.7531, 34.1739, 36.0216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

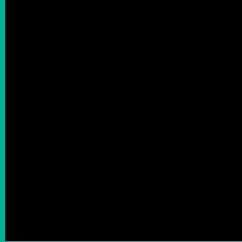
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.7531, 34.1739, 36.0216

Background



This preview shows how black text looks on a background with the XYZ color 21.7531, 34.1739, 36.0216.

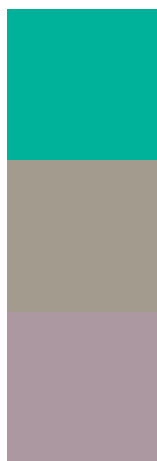


This preview shows how white text looks on a background with the XYZ color 21.7531, 34.1739,

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

21.7531, 34.1739, 36.0216

Protanopia

31.8752, 33.5165, 30.3805

Deuteranopia

34.3680, 33.6525, 37.9419



Tritanopia

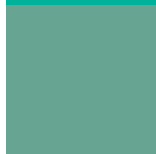
25.1798, 34.1280, 52.2739

Trichromacy



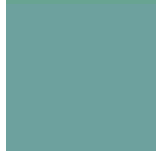
Original Color

21.7531, 34.1739, 36.0216



Protanomaly

24.1727, 31.5693, 32.0136



Deuteranomaly

25.2231, 31.2096, 37.0424



Tritanomaly

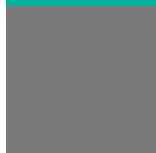
23.6329, 34.0464, 45.8835

Monochromacy



Original Color

21.7531, 34.1739, 36.0216



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.1180, 22.6869, 26.0311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7531, 34.1739, 36.0216 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.7531, 34.1739, 36.0216 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, 154) }
```


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

```
.border{ border-color:rgb(0, 178, 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, 178, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7531, 34.1739, 36.0216 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, 154) }
```

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

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