

Converting Colors

XYZ(21.6659, 31.6239, 33.8673)

Have a look what the booklet for
XYZ(21.6659, 31.6239, 33.8673)
contains.

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Color

**XYZ(21.6175, 31.5700,
33.8084)**

Conversions

Conversions Part 1

Format	Color
Hex	3DA996
RGB	61, 169, 150
RGB Percent	24%, 66%, 59%
CMY	0.7608, 0.3372, 0.4118
CMYK	0.64, 0.00, 0.11, 0.34
HSL	169°, 47%, 45%
HSV	169°, 64%, 66%
XYZ	21.6175, 31.5700, 33.8084
YIQ	134.5420, -58.2690, -28.8050

Conversions

Conversions Part 2

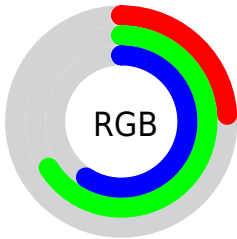
Format	Color
RYB	61, 120, 169
Decimal	4041110
CIELab	62.99, -35.25, 0.75
CIELCh	63, 35.259, 178.779
Yxy	31.5700, 0.2485, 0.3629
Android (android.graphics.Color)	4282231190 (0xFF3DA996)
YUV	134.5420, 7.6208, -64.4963
Hunter-Lab	56.1872, -29.6514, 3.6556

Details

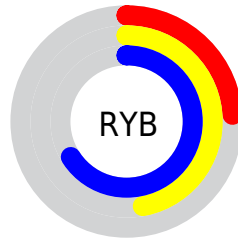
The XYZ color **21.6175, 31.5700, 33.8084** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.4800, 12.3527, 8.9484**, and the grayscale version is **22.8488, 24.0387, 26.1781**.

A 20% lighter version of the original color is **45.7095, 62.2750, 66.7379**, and **8.4975, 13.3916, 13.9414** is the 20% darker color. If you saturate the color by 10%, you get **20.5003, 31.0222, 32.5226**, and if you desaturate by 10%, it is **23.0703, 32.2917, 35.1430**.

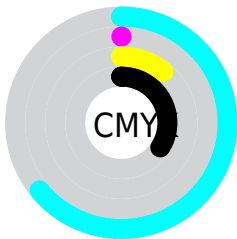
Distribution



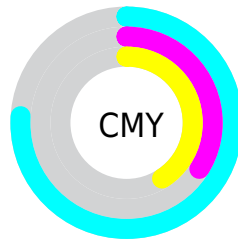
- Red (24%)
- Green (66%)
- Blue (59%)



- Red (24%)
- Yellow (47%)
- Blue (66%)



- Cyan (64%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)



- Cyan (76%)
- Magenta (34%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6175, 31.5700, 33.8084 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 21.6175, 31.5700, 33.8084 by changing the saturation by 10% instead.

■ 21.6175, 31.5700,
33.8084

■ 21.6175, 31.5700,
33.8084

253.2123,
309.1558, 334.0199

■ 13.6911, 21.0333,
22.4703

■ 45.5966, 62.1364,
66.7661

■ 7.9864, 13.1483,
14.0012

■ 62.3800, 82.9348,
89.2227

■ 4.1380, 7.5308,
7.9828

■ 82.8465, 107.9226,
116.2226

■ 1.7805, 3.7962,
3.9963

■ 107.3614,
137.4842, 148.1843

■ 0.5059, 1.5602,
1.6233

■ 136.2900,
172.0039, 185.5264

■ 0.0000, 0.3306,
0.3074

169.9979,

■ 0.0000, 0.0000,

211.8661, 228.6673

0.0000

208.8501,
257.4553, 278.0256

■ 21.6175, 31.5700,
33.8084

■ 21.6175, 31.5700,
33.8084

■ 20.5003, 31.0222,
32.5226

■ 23.0703, 32.2917,
35.1430

■ 19.6841, 30.6280,
31.2816

■ 24.8840, 33.1980,
36.5258

■ 19.1312, 30.3689,
30.0843

■ 27.0845, 34.3029,
37.9589

■ 18.8682, 30.2488,
29.3729

■ 29.6944, 35.6182,
39.4435

■ 32.7347, 37.1547,
40.9810

■ 36.2248, 38.9223,
42.5723

■ 40.1832, 40.9306,
44.2185

■ 44.6270, 43.1883,
45.9208

■ 49.5726, 45.7041,
47.6801

Harmonies

Analogous

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



22.7191, 31.5700, 22.3090



21.6175, 31.5700, 33.8084



22.5544, 31.5700, 48.8970

Triad

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



21.6175, 31.5700, 33.8084



34.7220, 31.5700, 63.4884



35.1028, 31.5700, 16.2240

Complementary

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



21.6175, 31.5700, 33.8084



19.4800, 12.3527, 8.9484

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.



38.9417, 31.5700, 23.0561



21.6175, 31.5700, 33.8084



38.7058, 31.5700, 50.1544

Square

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



21.6175, 31.5700, 33.8084



29.8081, 31.5700, 68.5736



40.3253, 31.5700, 34.9466



30.2055, 31.5700, 13.9943

Rectangle

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



21.6175, 31.5700, 33.8084



24.2727, 31.5700, 58.6218



40.3253, 31.5700, 34.9466



36.5785, 31.5700, 17.9489

Sweetspot

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



21.6184, 31.5712, 33.8091



55.5656, 64.9932, 71.8832



18.4076, 30.4546, 9.3239



11.7938, 14.0055, 15.5038



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.6184, 31.5712, 33.8091



35.9965, 55.2088, 57.2397



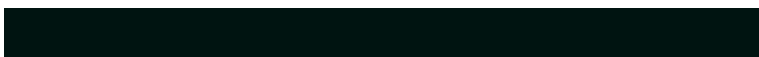
17.7231, 21.1302, 40.6818



7.6901, 8.5091, 9.3540



14.0795, 22.5506, 21.9834



0.3570, 0.5544, 0.6108

Inverse Universe

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



19.4800, 12.3527, 8.9484



31.9167, 18.0070, 9.4118



21.3159, 16.9937, 6.5724



7.5830, 7.5631, 8.1213



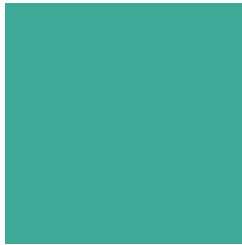
12.3814, 6.3613, 1.5538



0.3164, 0.1608, 0.1174

Previews

White Background



This preview shows how the XYZ color 21.6175, 31.5700, 33.8084 looks on a white background.

Color Contrast Check

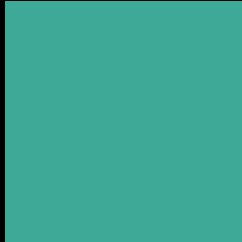
Large Text (above 18pt) WCAG AA × Fail

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 21.6175, 31.5700, 33.8084 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

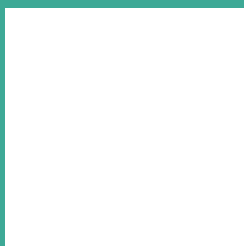
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6175, 31.5700, 33.8084

Background



This preview shows how black text looks on a background with the XYZ color 21.6175, 31.5700, 33.8084.

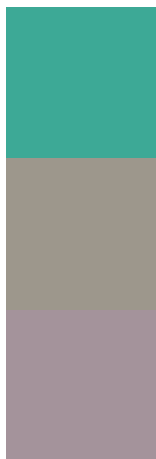


This preview shows how white text looks on a background with the XYZ color 21.6175, 31.5700,

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

21.6175, 31.5700, 33.8084

Protanopia

29.7049, 31.1948, 29.2665

Deuteranopia

31.6600, 31.1265, 35.3497



Tritanopia

24.2387, 31.5411, 46.9300

Trichromacy



Original Color

21.6175, 31.5700, 33.8084



Protanomaly

25.2869, 30.6049, 30.9601



Deuteranomaly

26.2235, 30.2546, 34.5946



Tritanomaly

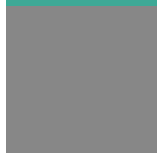
23.1583, 31.3648, 41.8792

Monochromacy



Original Color

21.6175, 31.5700, 33.8084



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3517, 25.9490, 28.6943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6175, 31.5700, 33.8084 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(61, 169, 150)` looks like.

```
.text, #text, p{  
    color:rgb(61, 169, 150)  
}
```

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(61, 169, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 169, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.6175, 31.5700, 33.8084 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(61, 169, 150) }
```


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

```
.border{ border-color:rgb(61, 169, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 169, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 169, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 169, 150);  
box-shadow:4px 4px 4px 4px rgb(61, 169,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6175, 31.5700, 33.8084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 169, 150) }
```

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

```
.background{ background-color: rgb(61, 169,  
150) }
```

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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