

Converting Colors

XYZ(21.3331, 31.7607, 32.9553)

Have a look what the booklet for
XYZ(21.3331, 31.7607, 32.9553)
contains.

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Color

**XYZ(21.2956, 31.6998,
33.0133)**

Conversions

Conversions Part 1

Format	Color
Hex	37AA94
RGB	55, 170, 148
RGB Percent	22%, 67%, 58%
CMY	0.7843, 0.3333, 0.4196
CMYK	0.68, 0.00, 0.13, 0.33
HSL	169°, 51%, 44%
HSV	169°, 68%, 67%
XYZ	21.2956, 31.6998, 33.0133
YIQ	133.1070, -61.4780, -31.2220

Conversions

Conversions Part 2

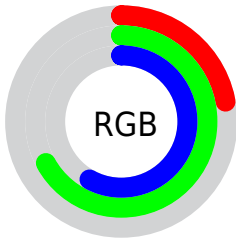
Format	Color
RYB	55, 119, 170
Decimal	3648148
CIELab	63.09, -37.24, 2.01
CIElCh	63, 37.293, 176.913
Yxy	31.6998, 0.2476, 0.3686
Android (android.graphics.Color)	4281838228 (0xFF37AA94)
YUV	133.1070, 7.3422, -68.4998
Hunter-Lab	56.3026, -31.0146, 4.6468

Details

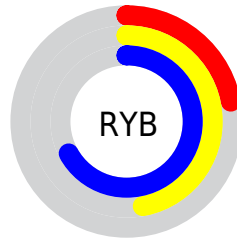
The XYZ color **21.2956, 31.6998, 33.0133** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.2844, 11.8152, 8.2866**, and the grayscale version is **22.3244, 23.4870, 25.5774**.

A 20% lighter version of the original color is **45.0595, 62.3700, 65.5408**, and **8.5190, 13.5856, 13.4826** is the 20% darker color. If you saturate the color by 10%, you get **20.2663, 31.1993, 31.6406**, and if you desaturate by 10%, it is **22.6547, 32.3711, 34.4406**.

Distribution



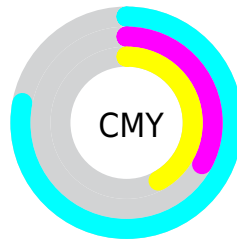
- Red (22%)
- Green (67%)
- Blue (58%)



- Red (22%)
- Yellow (47%)
- Blue (67%)



- Cyan (68%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)



- Cyan (78%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2956, 31.6998, 33.0133 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 21.2956, 31.6998, 33.0133 by changing the saturation by 10% instead.

■ 21.2956, 31.6998,
33.0133

■ 21.2956, 31.6998,
33.0133

251.5474,
309.7495, 330.3435

■ 13.4539, 21.1323,
21.8654

■ 45.0666, 62.3402,
65.5125

■ 7.8210, 13.2207,
13.5607

■ 61.7266, 83.1818,
87.7010

■ 4.0315, 7.5807,
7.6805

■ 82.0567, 108.2170,
114.4067

■ 1.7200, 3.8279,
3.8064

■ 106.4224,
137.8301, 146.0483

■ 0.4687, 1.5777,
1.5197

■ 135.1890,
172.4055, 183.0442

■ 0.0000, 0.3425,
0.2326

168.7217,

■ 0.0000, 0.0000,

212.3276, 225.8130

0.0000

207.3861,
257.9808, 274.7733

■ 21.2956, 31.6998,
33.0133

■ 21.2956, 31.6998,
33.0133

■ 20.2663, 31.1993,
31.6406

■ 22.6547, 32.3711,
34.4406

■ 19.5294, 30.8479,
30.3183

■ 24.3707, 33.2246,
35.9220

■ 19.0305, 30.6184,
29.0444

■ 26.4707, 34.2754,
37.4597

■ 18.9250, 30.5704,
28.7502

■ 28.9786, 35.5355,
39.0552

■ 31.9163, 37.0164,
40.7098

■ 35.3042, 38.7285,
42.4246

■ 39.1611, 40.6815,
44.2010

■ 43.5051, 42.8847,
46.0400

■ 48.3530, 45.3468,
47.9426

Harmonies

Analogous

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



22.5814, 31.6998, 21.2500



21.2956, 31.6998, 33.0133



22.1450, 31.6998, 48.9856

Triad

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



21.2956, 31.6998, 33.0133



34.8306, 31.6998, 66.4241



35.8562, 31.6998, 15.8110

Complementary

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



21.2956, 31.6998, 33.0133



19.2844, 11.8152, 8.2866

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.



39.8344, 31.6998, 23.2191



21.2956, 31.6998, 33.0133



39.1965, 31.6998, 52.3971

Square

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



21.2956, 31.6998, 33.0133



29.6004, 31.6998, 71.2167



41.1208, 31.6998, 36.0630



30.6652, 31.6998, 13.2581

Rectangle

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



21.2956, 31.6998, 33.0133



23.8676, 31.6998, 59.6021



41.1208, 31.6998, 36.0630



37.4013, 31.6998, 17.6903

Sweetspot

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



21.2965, 31.7010, 33.0140



56.3786, 66.3889, 73.0343



18.2072, 30.6463, 8.5708



12.2437, 14.6391, 16.1035



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.2965, 31.7010, 33.0140



36.0626, 56.2664, 56.2378



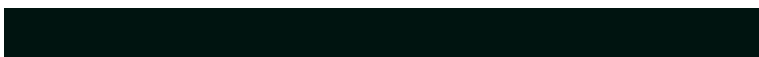
17.5662, 21.1836, 41.1946



7.6851, 8.5071, 9.3278



13.9404, 22.4949, 21.2507



0.3546, 0.5535, 0.5981

Inverse Universe

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



19.2844, 11.8152, 8.2866



32.2347, 17.7018, 8.6526



20.8824, 16.0513, 5.6127



7.5876, 7.5649, 8.1455



12.4078, 6.3718, 1.6932



0.3181, 0.1615, 0.1265

Previews

White Background



This preview shows how the XYZ color 21.2956, 31.6998, 33.0133 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 21.2956, 31.6998, 33.0133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

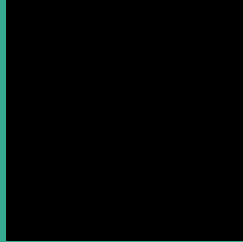
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.2956, 31.6998, 33.0133

Background



This preview shows how black text looks on a background with the XYZ color 21.2956, 31.6998, 33.0133.

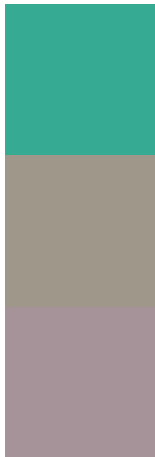


This preview shows how white text looks on a background with the XYZ color 21.2956, 31.6998,

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

21.2956, 31.6998, 33.0133

Protanopia

29.7546, 31.2373, 28.5059

Deuteranopia

31.7005, 31.1667, 34.4820



Tritanopia

24.2271, 31.7923, 47.5075

Trichromacy



Original Color

21.2956, 31.6998, 33.0133

Protanomaly

24.9945, 30.4717, 30.1555

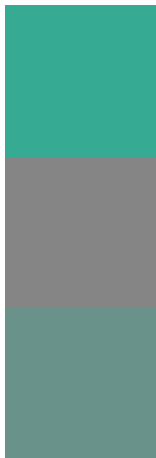
Deuteranomaly

25.7647, 30.0370, 33.7179

Tritanomaly

23.0010, 31.5546, 41.9242

Monochromacy



Original Color

21.2956, 31.6998, 33.0133

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.6920, 25.3960, 27.8561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2956, 31.6998, 33.0133 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(55, 170, 148)` looks like.

```
.text, #text, p{  
    color:rgb(55, 170, 148)  
}
```

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(55, 170, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 170, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.2956, 31.6998, 33.0133 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(55, 170, 148) }
```


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

```
.border{ border-color:rgb(55, 170, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 170, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 170, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 170, 148);  
box-shadow:4px 4px 4px 4px rgb(55, 170,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2956, 31.6998, 33.0133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 170, 148) }
```

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

```
.background{ background-color: rgb(55, 170,  
148) }
```

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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