

Converting Colors

XYZ(15.7416, 30.9139, 34.2892)

Have a look what the booklet for
XYZ(15.7416, 30.9139, 34.2892)
contains.

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Color

**XYZ(21.3081, 33.6786,
34.6557)**

Conversions

Conversions Part 1

Format	Color
Hex	00B197
RGB	0, 177, 151
RGB Percent	0%, 69%, 59%
CMY	0.9999, 0.3059, 0.4078
CMYK	1.00, 0.00, 0.15, 0.31
HSL	171°, 100%, 35%
HSV	171°, 100%, 69%
XYZ	21.3081, 33.6786, 34.6557
YIQ	121.1130, -97.1460, -45.6100

Conversions

Conversions Part 2

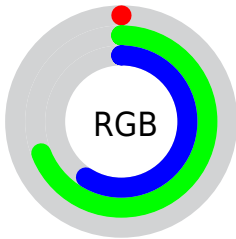
Format	Color
RYB	0, 96, 177
Decimal	45463
CIELab	64.71, -44.13, 2.60
CIELCh	65, 44.207, 176.633
Yxy	33.6786, 0.2377, 0.3757
Android (android.graphics.Color)	4278235543 (0xFF00B197)
YUV	121.1130, 14.7343, -106.2161
Hunter-Lab	58.0333, -36.0183, 5.2171

Details

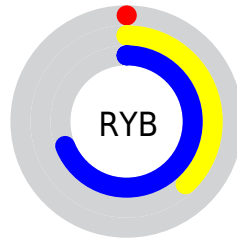
The XYZ color **21.3081, 33.6786, 34.6557** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.3192, 9.4228, 1.8324**, and the grayscale version is **18.1902, 19.1375, 20.8408**.

A 20% lighter version of the original color is **45.2661, 65.7402, 68.0610**, and **9.3832, 15.0860, 14.4739** is the 20% darker color. If you saturate the color by 10%, you get **21.3083, 33.6795, 34.6545**, and if you desaturate by 10%, it is **21.7667, 33.8912, 35.7927**.

Distribution



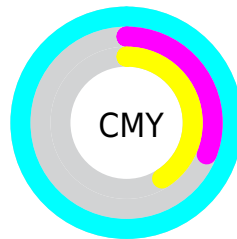
- Red (0%)
- Green (69%)
- Blue (59%)



- Red (0%)
- Yellow (38%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3081, 33.6786, 34.6557 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 21.3081, 33.6786, 34.6557 by changing the saturation by 10% instead.


 21.3081, 33.6786,
34.6557


 21.3081, 33.6786,
34.6557


251.6122,
318.6966, 337.9040


 13.4631, 22.6468,
23.1164


 45.0872, 65.4336,
68.0976


 7.8274, 14.3329,
14.4733


 61.7520, 86.9255,
90.8371


 4.0356, 8.3526,
8.3081


 82.0874, 112.6729,
118.1472

 1.7223, 4.3214,
4.2021

 106.4589,
143.0603, 150.4463

 0.4702, 1.8549,
1.7369

 135.2318,
178.4719, 188.1530

 0.0000, 0.5211,
0.3858

 168.7714,

 0.0000, 0.0000,

219.2923, 231.6858

0.0000

207.4431,
265.9057, 281.4633

■ 21.3081, 33.6786,
34.6557

■ 21.3081, 33.6786,
34.6557

■ 21.3083, 33.6795,
34.6545

■ 21.7667, 33.8912,
35.7927

■ 22.4484, 34.2174,
36.9639

■ 23.4387, 34.7021,
38.1742

■ 24.7776, 35.3660,
39.4256

■ 26.4990, 36.2266,
40.7198

■ 28.6328, 37.2992,
42.0583

■ 31.2059, 38.5977,
43.4427

■ 34.2429, 40.1348,
44.8741

■ 37.7667, 41.9222,
46.3538

Harmonies

Analogous

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



22.8619, 33.6786, 20.6109



21.3081, 33.6786, 34.6557



22.2940, 33.6786, 54.6747

Triad

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



21.3081, 33.6786, 34.6557



37.7986, 33.6786, 77.6242



39.2025, 33.6786, 14.5409

Complementary

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



21.3081, 33.6786, 34.6557



18.3192, 9.4228, 1.8324

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.



44.2053, 33.6786, 23.1283



21.3081, 33.6786, 34.6557



43.3225, 33.6786, 59.4473

Square

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



21.3081, 33.6786, 34.6557



31.2991, 33.6786, 83.7951



45.8038, 33.6786, 38.7614



32.7326, 33.6786, 11.6759

Rectangle

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



21.3081, 33.6786, 34.6557



24.3407, 33.6786, 68.3979



45.8038, 33.6786, 38.7614



41.1428, 33.6786, 16.6789

Sweetspot

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



21.3091, 33.6799, 34.6565



55.6222, 68.9912, 77.6685



16.1637, 31.6726, 5.2624



11.6265, 14.7355, 16.6095



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.



21.3091, 33.6799, 34.6565



38.0968, 60.2913, 61.7235



14.0743, 15.4504, 43.8367



8.6879, 9.6097, 10.6162



15.4556, 24.4082, 25.1995



0.5009, 0.7738, 0.8696

Inverse Universe

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



18.3192, 9.4228, 1.8324



32.7576, 16.8543, 3.0189



19.8533, 12.7896, 1.4232



8.5456, 8.5249, 9.1053



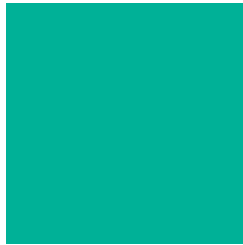
13.2864, 6.8321, 1.4020



0.4339, 0.2213, 0.1274

Previews

White Background



This preview shows how the XYZ color 21.3081, 33.6786, 34.6557 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 21.3081, 33.6786, 34.6557 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

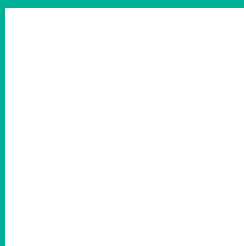
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3081, 33.6786, 34.6557

Background



This preview shows how black text looks on a background with the XYZ color 21.3081, 33.6786, 34.6557.

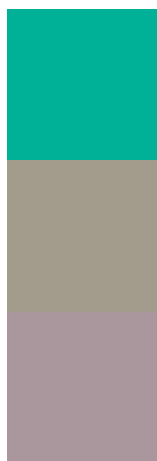


This preview shows how white text looks on a background with the XYZ color 21.3081, 33.6786,

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

21.3081, 33.6786, 34.6557

Protanopia

31.4858, 33.0933, 29.1543

Deuteranopia

33.7300, 33.1136, 36.5121



Tritanopia

24.8821, 33.7032, 51.6483

Trichromacy



Original Color

21.3081, 33.6786, 34.6557



Protanomaly

23.7640, 31.1206, 30.7410



Deuteranomaly

24.6715, 30.6963, 35.6350



Tritanomaly

23.2440, 33.5805, 44.7918

Monochromacy



Original Color

21.3081, 33.6786, 34.6557



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.7503, 22.2935, 25.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3081, 33.6786, 34.6557 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 151) }
```

Border

The CSS property to change the border of an element to XYZ 21.3081, 33.6786, 34.6557 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, 151) }
```


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

```
.border{ border-color:rgb(0, 177, 151) }
```

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, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3081, 33.6786, 34.6557 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, 151) }
```

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

```
.background{ background-color: rgb(0, 177,  
151) }
```

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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