

Converting Colors

XYZ(20.1094, 32.6714, 35.6060)

Have a look what the booklet for
XYZ(20.1094, 32.6714, 35.6060)
contains.

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Color

**XYZ(21.3581, 33.3838,
35.8899)**

Conversions

Conversions Part 1

Format	Color
Hex	00B09A
RGB	0, 176, 154
RGB Percent	0%, 69%, 60%
CMY	0.9999, 0.3098, 0.3961
CMYK	1.00, 0.00, 0.13, 0.31
HSL	172°, 100%, 35%
HSV	172°, 100%, 69%
XYZ	21.3581, 33.3838, 35.8899
YIQ	120.8680, -97.8340, -44.1540

Conversions

Conversions Part 2

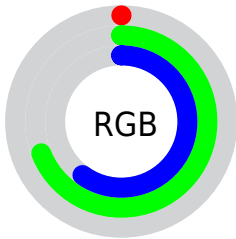
Format	Color
RYB	0, 94, 176
Decimal	45210
CIELab	64.47, -42.88, 0.59
CIELCh	64, 42.880, 179.216
Yxy	33.3838, 0.2357, 0.3683
Android (android.graphics.Color)	4278235290 (0xFF00B09A)
YUV	120.8680, 16.3341, -106.0012
Hunter-Lab	57.7787, -35.1296, 3.6164

Details

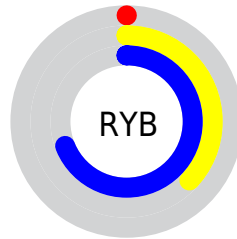
The XYZ color **21.3581, 33.3838, 35.8899** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.0505, 9.2890, 1.6020**, and the grayscale version is **18.1058, 19.0487, 20.7440**.

A 20% lighter version of the original color is **45.0656, 64.7541, 69.7981**, and **9.4077, 14.8983, 15.2118** is the 20% darker color. If you saturate the color by 10%, you get **21.3585, 33.3848, 35.8893**, and if you desaturate by 10%, it is **21.7863, 33.5839, 36.8763**.

Distribution



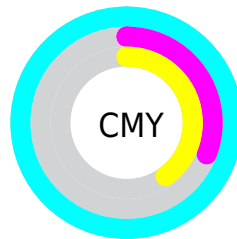
- Red (0%)
- Green (69%)
- Blue (60%)



- Red (0%)
- Yellow (37%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3581, 33.3838, 35.8899 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 21.3581, 33.3838, 35.8899 by changing the saturation by 10% instead.


 21.3581, 33.3838,
35.8899


 21.3581, 33.3838,
35.8899


251.8714,
317.3756, 343.5019


 13.5000, 22.4206,
24.0602


 45.1696, 64.9743,
70.0292


 7.8531, 14.1663,
15.1656


 61.8536, 86.3704,
93.1759


 4.0521, 8.2364,
8.7878


 82.2103, 112.0129,
120.9319

 1.7316, 4.2466,
4.5081

 106.6050,
142.2862, 153.7159

 0.4760, 1.8124,
1.9080

 135.4031,
177.5747, 191.9464

 0.0000, 0.4949,
0.4978

 168.9700,

 0.0000, 0.0000,

218.2629, 236.0418

0.0000

207.6710,
264.7351, 286.4208

■ 21.3581, 33.3838,
35.8899

■ 21.3581, 33.3838,
35.8899

■ 21.3585, 33.3848,
35.8893

■ 21.7863, 33.5839,
36.8763

■ 22.4330, 33.8956,
37.8898

■ 23.3830, 34.3632,
38.9352

■ 24.6758, 35.0071,
40.0145

■ 26.3448, 35.8445,
41.1293

■ 28.4195, 36.8907,
42.2810

■ 30.9263, 38.1593,
43.4711

■ 33.8896, 39.6628,
44.7007

■ 37.3318, 41.4128,
45.9709

Harmonies

Analogous

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



22.6562, 33.3838, 21.6847



21.3581, 33.3838, 35.8899



22.5278, 33.3838, 55.4057

Triad

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



21.3581, 33.3838, 35.8899



37.8278, 33.3838, 74.4123



38.1423, 33.3838, 14.4028

Complementary

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



21.3581, 33.3838, 35.8899



18.0505, 9.2890, 1.6020

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.



43.1492, 33.3838, 22.2559



21.3581, 33.3838, 35.8899



42.9518, 33.3838, 56.4707

Square

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



21.3581, 33.3838, 35.8899



31.5695, 33.3838, 81.5354



45.0115, 33.3838, 36.8126



31.8917, 33.3838, 11.9914

Rectangle

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



21.3581, 33.3838, 35.8899



24.6474, 33.3838, 68.3053



45.0115, 33.3838, 36.8126



40.0547, 33.3838, 16.3366

Sweetspot

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



21.3591, 33.3851, 35.8907



55.8221, 69.0712, 78.7212



15.8907, 31.2398, 5.1931



11.6753, 14.7550, 16.8664



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.



21.3591, 33.3851, 35.8907



38.6778, 60.5237, 64.7831



13.5738, 14.6083, 43.1800



8.6960, 9.6129, 10.6588



15.6853, 24.5001, 26.4095



0.5063, 0.7760, 0.8980

Inverse Universe

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



18.0505, 9.2890, 1.6020



32.6909, 16.8276, 2.6676



19.7699, 12.9597, 1.4602



8.5382, 8.5220, 9.0664



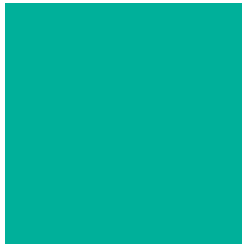
13.2555, 6.8198, 1.2396



0.4308, 0.2201, 0.1113

Previews

White Background



This preview shows how the XYZ color 21.3581, 33.3838, 35.8899 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 21.3581, 33.3838, 35.8899 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

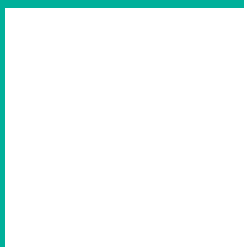
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3581, 33.3838, 35.8899

Background



This preview shows how black text looks on a background with the XYZ color 21.3581, 33.3838, 35.8899.

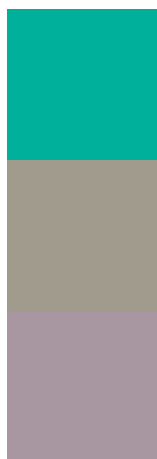


This preview shows how white text looks on a background with the XYZ color 21.3581, 33.3838,

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

21.3581, 33.3838, 35.8899

Protanopia

31.3018, 32.9728, 30.3058

Deuteranopia

33.5602, 32.9961, 37.8578



Tritanopia

24.6818, 33.6122, 51.0859

Trichromacy



Original Color

21.3581, 33.3838, 35.8899

Protanomaly

23.7650, 31.0945, 31.9434

Deuteranomaly

24.8058, 30.7360, 36.9730

Tritanomaly

23.1190, 33.2192, 45.2378

Monochromacy



Original Color

21.3581, 33.3838, 35.8899

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

16.8191, 22.3210, 25.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3581, 33.3838, 35.8899 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, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.3581, 33.3838, 35.8899 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, 176, 154) }
```


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

```
.border{ border-color:rgb(0, 176, 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, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3581, 33.3838, 35.8899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 154) }
```

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

```
.background{ background-color: rgb(0, 176,  
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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